

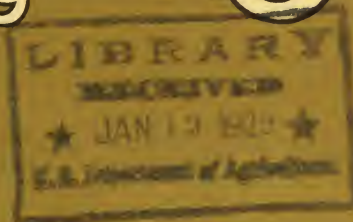
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62.81

BUCHANAN'S

SEEDS *for* 1929



R.B. BUCHANAN SEED CO.

BUCK BRAND TESTED SEEDS

18 S. FRONT ST.

MEMPHIS, TENN.

BUCHANAN'S SUPERB COLLECTION GIANT ZINNIAS

10 FULL SIZE 10¢ PACKETS

GIANT ZINNIAS

FINEST GROWN

75¢

POSTPAID

GREATEST
ZINNIA
BARGAIN
EVER
OFFERED

COLORS

CRIMSON
GOLDEN YELLOW
FLESH PINK
CANARY YELLOW
ROSE WHITE
PURPLE, VIOLET
SCARLET
BURNT ORANGE

R. B. BUCHANAN SEED CO., MEMPHIS, TENN.

MEMPHIS

Date_____

I am enclosing \$_____ for the following Seed to be

(State here if wanted by Mail, Express or Freight)

(Ladies will please put the prefix MISS or MRS.)

Route

Box

County.

State

PLEASE DO NOT WRITE
IN THIS SPACE

Date Received _____

Our Order No.

Mark Zone No. Here

Amount Received

\$_____

Don't bother about what the express or freight charges will cost on small packets, ounces and pounds of garden seed, for we pay all express and mail charges for garden seed listed in our catalog in these quantities.

Amount Carried Forward.

If you get more than one Catalogue please hand it to some friend. All members of one family should order goods under the name of the head of the family. Remember, in sending orders to always sign the name of the head of the family in the same way that he would in signing a check at the bank. Do not sign your name one time as John Jones and the next time as J. Jones or Mrs. J. Jones. The letter "J" might stand for James or Joseph. Often your Postmaster is confused in delivering mail to the right party on this account, and we, of course, want you to receive your orders and mail without any unnecessary delay.

CASH WITH ORDER

Please send money with the order sufficient to cover the whole bill and remit by express, postal money order or check. We refuse to send goods "Collect On Delivery" unless remittances are made on account to guarantee acceptance. Our terms are cash.

C. O. D. NOTICE

Absolutely no plants or other perishable goods will be sent C. O. D. We advise against C. O. D. orders because of delays and high collection charges which are unsatisfactory to the customer and expensive to us if uncalled for and returned at our expense. We accept C. O. D. orders for seeds in exceptional cases when 25% of the order amount is paid in advance. This deposit is meant to cover collection and return charges in case the order is not called for and paid for by the customer.

FREE DELIVERY BY MAIL

We deliver free to any postoffice in the United States all Vegetable and Flower Seeds quoted in this catalogue.

The Parcel Post delivery being so convenient for those living away from their Postoffice, especially during their busy planting season, we have tried to quote all items in this catalogue Post Paid in small quantities, and will quote any other items prepaid to you if you will use our Special Quotation Sheet and list the goods you want, saying you want all transportation charges paid to you.

ERRORS

While we exercise the greatest care in filling orders, endeavoring to do a little more than we offer, yet in the press of business errors sometimes will be made, in which event we wish to be promptly notified of the fact and will make such corrections as will be entirely satisfactory. Customers should be very clear and explicit in making out all orders, and thereby help us to avoid errors. Please keep copies of all orders for comparison.

PLANTS, BULBS AND SLIPS

Plants, bulbs and slips are seldom forwarded on the same day with seeds ordered at the same time. They are packed separately and sometimes are delayed.

NON-WARRANTY

Most of the failures with seeds, plants and bulbs are due to causes entirely beyond our control, such as unfavorable weather or soil conditions, too deep or shallow planting etc., which render it impossible for us to guarantee success. We will give no warranty as to description, quality or productiveness of any of the seeds, plants or bulbs we send out, and will not be in any way responsible for the crop, and every order for articles named in this catalogue will be executed on these conditions only.

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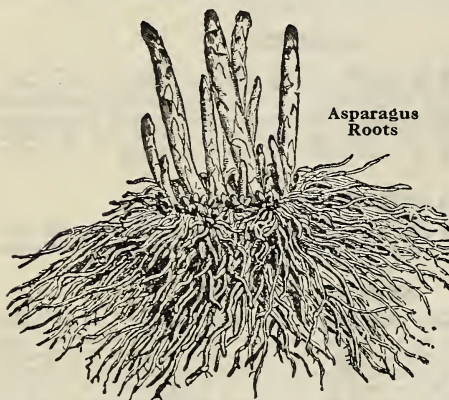
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BUCHANAN'S ROOTS, HERBS & VEGETABLE PLANTS



HOW WE SHIP—All Plants, Roots and Bulbs are forwarded by **Express** or **Parcel Post**; if by express, you pay charges when goods delivered to you; if by parcel post, charges paid by me. Notice that I quote Postpaid such Plants, Roots and Bulbs as can be sent by parcel post.

Many of my customers live at a distance from the express office, making it more convenient for them to receive their goods by Parcel Post, especially when they are busy in the spring, and we have a special department for packing **Live Plants** so they will reach you in the best of condition when shipped by Parcel Post.



Asparagus
Roots

Horse Radish Roots

(1)—**HORSE RADISH ROOTS**—Horse radish is used in most every household during the fall and winter months when the fresh product is ready. As soon as the ground can be worked in the spring set the roots in rows, 26 inches apart, and about 16 inches apart in the row. 12 to 15,000 to acre, ready in 6 to 8 months.

Price.....Dozen, 50c; 50 for \$1.50

Asparagus Roots—Rows 4 ft. apart, 24 in. in row, 4 to 7,000 to acre, ready in 2 years.



Rhubarb

All Prices on This Page Post Paid

All 10c Pkts., 3 for 25c

Hotbed Cabbage Plants

These are grown in hotbeds and are, of course, a bright green looking plant, but they should not be planted out until the 10th or 15th of March.

Early Flat Dutch

Early Jersey Wakefield

Large Late Drumhead

Early Summer

Succession

Charleston Wakefield

Price—100, 45c; 500, \$1.50; 1,000, \$2.50

Set in rows 30 in. apart, 15 in. in row, 10 to 14,000 to acre.

(2) Rhubarb Roots

The planting of rhubarb roots is usually more satisfactory than to attempt to start from seed. Both time and labor are saved where the former method is followed. Roots such as we furnish should be set in well enriched soil at least five feet apart each way. The blossom stalks, however, should always be cut back so as not to exhaust the plant by going to seed. Each, 30c; ½ dozen, \$1.50; dozen, \$2.50.

(4) Asparagus Roots

Asparagus from the home garden is one of the most delicious and earliest of crops. It may be grown in any deep, rich soil, either from seed or roots.

Seed Planting—Asparagus may be raised from seed and a crop obtained in three years. In early Spring sow the seed, after soaking it twenty-four hours in warm water, in drills about one foot apart and one inch deep. The following Spring, select the best of the roots and place in the permanent bed.

Root Planting—A year may be saved by buying the plants (one year old are greatly to be preferred) and setting them at least two feet apart in the row, and the rows not closer than four feet; see that the roots are well and evenly spread out in planting and that they are not exposed to the air longer than is absolutely necessary, as they deteriorate rapidly.

White Asparagus—White Asparagus may be grown from the same variety as green. It is merely a method of growing. The roots are set deeper and the stalks are cut underneath the ground before exposure to the light has turned them green.

5—WASHINGTON RUSTPROOF—We are pleased to be able to offer seed of this American strain of Giant Asparagus. It is the first result of a plant-breeding campaign started by the United States Department of Agriculture to produce a rust-resistant asparagus. Rust-resistant and vigorous plants selected from thousands have been crossed with a single male plant, "Washington," and most careful reselection practiced. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.00.

We offer limited quantity only of the Mary and Martha Washington strain.

6—MARTHA WASHINGTON STOCK—Very rust-resistant. Pkt., 10c; oz., 30c; ¼ lb., 75c; lb., \$2.50.

MARY WASHINGTON STOCK—Extra large and strong grown. Pkt., 15c; oz., 35c; ¼ lb., \$1.00; lb., \$3.50.

ROOTS—1-year-old, 50c doz., \$2.75 per 100, post paid; \$2.50 per 100, not prepaid. 2-year-old, 75c per doz.; \$4.50 per 100, post paid; \$4.00 per 100, not prepaid.

7—WHITE CAPE BROCCOLI—The Cape Broccoli is the best type for the South and you will do well to have it in your garden this year. The plants are very hardy, vigorous and easily grown. The heads are white, compact, hard and of fine quality. Pkt., 10c; 1 oz., 75c.

Brussels Sprouts

8—DWARF IMPROVED—Bearing a large crop of small, solid tender heads. Pkt., 10c; ½ oz., 25c; 1 oz., 50c; ¼ lb., \$1.50.

DELIVERIES OF ALL PLANTS WILL BE MADE SUBJECT TO CROP FAILURES AND OTHER CAUSES BEYOND OUR CONTROL

Buchanan's Twenty-Five Vegetable Collections Thru This Catalog Save You Money

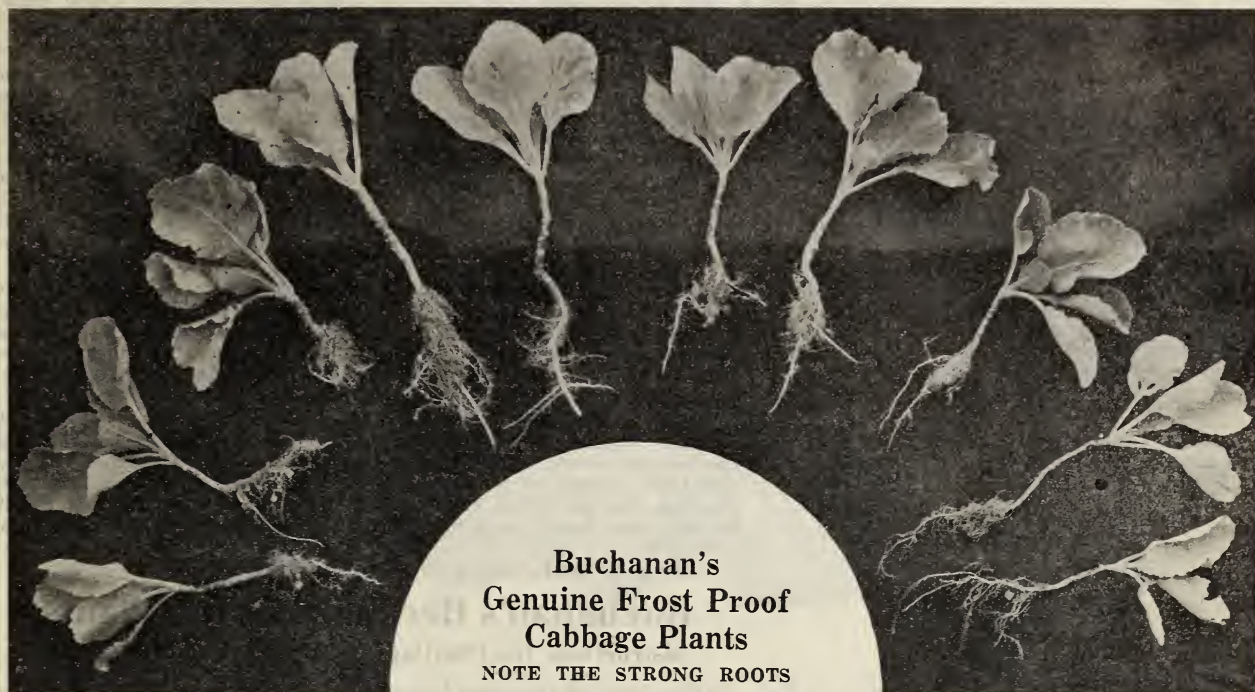


R.B. BUCHANAN SEED CO. MEMPHIS, TENNESSEE.



BUCK BRAND TESTED SEEDS

Buchanan's Frost Proof Cabbage Plants



Buchanan's
Genuine Frost Proof
Cabbage Plants

NOTE THE STRONG ROOTS

Buchanan's Genuine Frost Proof Cabbage Plants are Tough and Hardy

OUR GENUINE FROST PROOF CABBAGE PLANTS have become one of the most important items that we list, and they being usually the first thing purchased by our customers, that we are devoting one of our first pages to them.

There is only one place where we have grown successfully the GENUINE FROST PROOF CABBAGE PLANTS, and that place is the low-lying sea islands along the coast of South Carolina, where the soil, climate and salt air from the sea make an ideal combination for growing these plants, and I ask you most sincerely not to confuse our GENUINE FROST PROOF CABBAGE PLANTS with the cabbage plants grown in hot beds or in the open in many parts of the south where the climate is warm, many miles inland from the sea, and advertised as FROST PROOF, as these plants will not stand the cold like our GENUINE FROST PROOF PLANTS.

BUCHANAN'S GENUINE FROST PROOF CABBAGE PLANTS will stand a temperature of 20 degrees above zero without injury, the land freezing, or the plants being covered with ice, sleet or snow after they are planted will not injure them, providing the temperature does not go below 20 degrees above zero.

The plants make a slow but steady growth until at eight or ten weeks of age, they are very tough and hardy. The buds are purple and the outer leaves a reddish brown. When they reach this condition (about January 1st) we begin shipping—our customers setting them out six to eight weeks before their home raised plants are ready for setting, and while the top of the plant does not grow until your regular spring weather opens up, THE ROOTS GROW FROM THE TIME THEY ARE PLANTED, and when Spring opens the plant grows very fast, maturing headed cabbage two to four weeks sooner than you can mature them from hot bed or cold frame plants.

BUCHANAN'S GENUINE FROST PROOF CABBAGE PLANTS will be somewhat wilted and have a hard, stunted appearance when you receive them. Do not let this disappoint you, as it is the natural way they grow. Plant them, the crop will not be disappointing. They are the genuine Frost Proof Plants.

VARIETIES: EARLY JERSEY AND LARGE CHARLESTON WAKEFIELD, SUCCESSION AND EARLY FLAT DUTCH.

QUANTITY PRICES—On all seeds see yellow price list in center of book.

PRICES—PARCEL POST PREPAID:

100 for 50c; 200 for 95c; 300 for \$1.25; 500 for \$1.75; 1000 for \$3.00

Prices by Express not Prepaid, from Growing Station.

1000 to 3000 plants, \$2.00 per 1000; 5000 or over, \$1.50 per 1000.

Set Cabbage in rows 30 in. apart, 20 in. in row, 10,000 to 14,000 to acre.

DELIVERIES OF ALL PLANTS WILL BE MADE SUBJECT TO CROP FAILURES AND OTHER CAUSES BEYOND OUR CONTROL.



Buchanan's Disease-Free Sweet Potato Slips

All Potato Plants packed
in 100 to each bundle

Sweet Potato Slips are planted in rows about three feet apart, and the Plants set twelve inches apart in the row. It takes about 7,500 Plants for each acre of ground. For a home garden 1,000 Slips will make you a nice patch, and I ship many orders of 500 and even 100 Plants to those having small gardens.



Sweet Potato Slips

We begin shipping Sweet Potato Slips April 10, weather permitting, and ship every day until July 1, and have shipped as late as July 17. When ordering state what date you want your slips shipped. We believe May and June are the best months to set them.

We have a fine lot of seed of the Nancy Hall and Porto Rica varieties and comply with all state laws and can ship into any state. Our 20 years experience in pulling, packing, shipping is back of all slips we ship; have shipped slips to California, Florida, Texas and New Mexico, as well as our neighboring states, and have had them on the road six days without loss. Order early.

NANCY HALL—This is our most popular Sweet Potato, because of its early maturing and ready sale on all markets, especially the Northern markets, where the Southern Nancy Hall is known as the best eating sweet potato grown. Color, yellow, slightly running; ready to harvest in July, fine for cooking, but does not keep during the winter as well as the Porto Rica. Price, 100 50; 500 \$2.25; 1000 \$3.50 post paid.

PORTO RICA YAMS—We have grown this Sweet Potato for five years and the demand for both Seed and Slips has increased each year; it is fine-grained, juicy, as good for eating as the Nancy Hall, and has the additional quality of being a good winter keeper. Color, golden red, running, late maturing, good keeper and I consider it the best Sweet Potato grown today for home use. Price, 100, 50c; 500, \$2.00; 1,000, \$3.25, post paid.

Write or phone for prices on larger quantities.

Buchanan's Bermuda Onion Plants

Instructions for Planting, Cultivating and Harvesting

Thoroughly cultivate and prepare your land just as you would for any truck. For the best results plant in rows twenty-four inches apart and six inches in the row.

Sharpen a wooden stick, making a hole about two inches deep, place the plant in as you withdraw the stick and press the dirt firmly around the plant.

Cultivate very shallow as the onion roots grow near the surface and should not be disturbed. About all cultivation needed is scratching to kill the weeds. You will find the onion plant the easiest of all plants to grow. They will keep for weeks before planting if not allowed to become heated or wet. Keep them dry and give plenty of air if not ready to plant on arrival.

Harvesting—It is best to harvest when about 60 per cent of tops are soft at neck just above onion. Pull them up, let lay in sun for two or three days, giving tops a chance to descend into the onion, thereby increasing in weight and firmness. After this is done place the onions in a cool place with tops and roots cut off about one inch from onion. For keeping for home use let tops and roots remain and tie in bunches and hang in cool place. Be careful the place is not full of light, for light turns the Crystal Wax Onion green. You will find they keep for months in this manner.

Soil—Like everything that grows, the richer the land the heavier the yield. You will have very satisfactory results on all kinds of soil. Plant any day you can work the ground from September 1 to May 1.

The following is a table giving the set at different widths and average number of plants it will take per acre.

Width of Row	Width in Row	Plants per Acre
24 in.	6 in.	44,100
36 in.	6 in.	29,000

YELLOW BERMUDA—The most popular of all the Bermuda varieties. It is a light straw-colored onion. No onion compares with the Bermuda in mildness of flavor, and for this reason it is extensively planted, especially in the South, where it reaches perfection.

CRYSTAL WHITE WAX BERMUDA—No other onion has such clear, white skin, such mildness of flavor. It is deliciously tender and can be eaten raw like an apple. We begin shipping about September 1 and continue shipping Bermuda Plants until May 1 the following year.

Price—100, 35c; 200, 70c; 300, \$1.00; 500, \$1.25; 1,000, \$2.00, post paid.

Price—by express not prepaid, from growing station to you—1 crate, 6,000 plants, \$7.50; 5 crates, about 30,000 plants, \$35.00.

Write or wire us for prices on larger quantities when wanted.



Onion Plants Bundled for Shipping

Deliveries of all Plants will be Made Subject to Crop Failures and Other Causes Beyond Our Control



Improved Klondyke

Buchanan's Southern Grown Strawberry Plants

ALL PLANTS ARE GROWN ON THE BEST NEW LAND AND ARE SURE TO PLEASE YOU IN EVERY RESPECT

My plants are produced by one of the largest growers of strawberry plants in the United States, who is located in the best berry section of the South, and I am sure his plants will please you, for he has built up the largest business of its kind in the country. All plants are fresh dug. After the orders are received by my grower he digs the plants, and nothing but fresh stock is sent out. I start shipments October 10th. I can ship most any date from that time until May 1st. All plants are guaranteed to reach your express office in good condition if taken out at once upon arrival. By mail I also guarantee safe arrival, when received at once upon arrival and not allowed to lay in your post office. Plant on good ground, deeply worked and well manured. Set in rows $3\frac{1}{2}$ feet apart, 15 inches in rows, for field culture; 15 inches each way for garden. Cultivate clean, mulch late in the fall and uncover early in the spring. Remove mulch after fruiting and spade in a light dressing of manure. About 7,000 plants to acre.

PRICES, PARCEL POST PREPAID

All Varieties Except Progressive Everbearing

25 plants, 55c; 50, 75c; 100, \$1.15; 500, \$3.50; 1,000, \$5.75.

PRICES, BY EXPRESS, NOT PREPAID, FROM GROWING STATION

1,000 plants, \$4.50; 5,000, \$18.00; 10,000, \$32.00.

EXCELSIOR. This is the very earliest berry grown. A free plant maker and a firm dark red berry. Does well all over the country—north, south, east or west, and in every section is the king of all early varieties.

MICHEL. This berry and St. Louis ripen about a week later than Excelsior. The Michel is a good plant maker, berry very sweet, and in all a good one for nearby and home markets and home use.

ST. LOUIS. The very largest early berry grown. I have grown them so large 12 berries filled a quart box, so you can know by that they are large. The plant is very large; roots well and deep-set, and the berry is one of the most productive berries grown today. Season about a week later than Excelsior.

LADY CORNELLE. This is a new variety; ripens with the Klondyke; is of good size and the shape is the best; very productive and a firm berry. I advise them for long distance shipments.

LADY THOMPSON. A good old variety, well planted; is in demand all over the Southwest; stands dry weather fine; a good plant maker, and a nice, well colored berry; a good shipper.

MISSIONARY. This berry does fine in Florida and Mississippi and the Eastern States. I have a good stock of them; season with Klondyke, which is considered mid-season.

KLONDYKE. The old standard variety; one set more than any other variety except Imp. Klondyke and Aroma. These three are set more for fruit for carlot shipments than any other grown today. Berry firm, a good plant maker and commands the highest market prices.

IMP. KLONDYKE. I find this berry a better berry than Klondyke. The plant is larger, berries larger and seem to be more productive than old Klondyke. It is almost impossible to tell one from the other with above exceptions.

DUNLAP. This berry is grown all over the North and Northwest with great success. I have big demand for them.

AROMA. The most planted berry of any mid-season to late variety grown today. I have them by the millions and can furnish any size order wanted.

GANDY. Only one variety I have grown is later than Gandy, and it is the Evening Star. I consider Gandy a good late berry.

PROGRESSIVE. The very best everbearing berry grown; none better; a good plant maker average season, bears all summer up to frost, and in all I consider them the best berry grown for a fall bearing sort. 25, 85c; 50, \$1.35; 100, \$2.25; 500, \$6.50, post paid. Not prepaid, by express—500, \$6.00; 1,000, \$11.00.

QUANTITY PRICES—On all seeds see yellow price list in center of book.

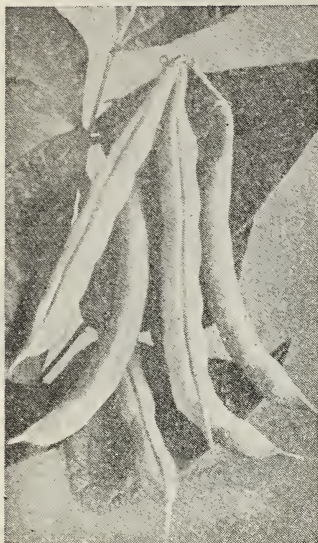


Beans—Dwarf or Bush Green and Wax Podded Varieties

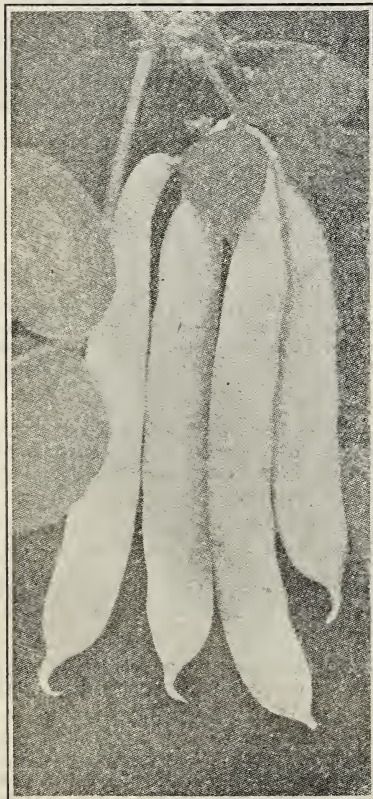
CULTURE.—One quart will plant 100 feet of drill. Beans are somewhat tender, but it often pays to take some risks. Plant in warm, loamy soil at the beginning of settled, warm weather in spring, and at intervals for succession until September. Rows may be made 2 feet apart, and the Beans planted a few inches apart in the drills, or 3 or 4 Beans in hills 6 to 8 inches apart. Cultivate and hoe frequently, always, however, when the vines are perfectly dry. In hoeing draw the soil up towards the rows or plants. For String Beans, gather the pods clean as soon as fit for use. The plants will remain all the longer in bearing.

BEAN PRICES.—Beans now sold by the pound. A pound is approximately a pint; 2 lbs., slightly over a quart; 5 lbs., about 2½ quarts; 10 lbs., about 5 quarts; 15 lbs., equal to a peck, and a bushel weighs 60 lbs.

Bush Beans usually ready in 8 weeks; 1½ Bu. plants an acre.



Red Valentine



Bountiful

All Prices on this Page Post Paid
All 10c Pkts. 3 for 25c

	Pkt.	½ Lb.	1 Lb.	2 Lb.
37 IMPROVED EXTRA EARLY RED VALENTINE. A standard variety, extra early, and for snaps there is nothing superior to this variety among the green podded sorts, both for home use or the market. This variety is more largely planted in Arkansas, Mississippi, Tennessee and other Southern States than any other sort. The pods are produced in large clusters on erect plants. It is very prolific and reliable and an excellent shipper. The pods are of medium length, and about 4½ inches, medium green color, curved, cylindrical, with crease in back, very fleshy, crisp and tender. When the young plants have to contend with adverse weather conditions, no other dwarf bean is more certain than the Valentine is to set pods. If you plant our stock of this bean you are safe, as you are sure of obtaining from us a strain of seed that will produce exactly as desired. The tremendous quantity of Red Valentine Beans we sell every spring to critical truckers and market gardeners is the best evidence that our seed is sought for and demanded wherever this variety is grown extensively for shipping purposes. It is one of the most profitable market varieties. ....	.10	.20	.35	.65
40 STRINGLESS GREEN POD (BURPEE'S.) This is one of the most popular and best of the stringless varieties. It is earlier than the Valentine, absolutely stringless, hardy, vigorous and productive. Pods are long and straight, round, meaty, of green color, and remain tender and crisp a long time after maturity, and are of excellent flavor. Seed of medium size and length, yellowish brown. ....	.10	.20	.35	.65
39 BLACK VALENTINE. This Bean has beautiful large pods about 6 inches long, slender, round and nearly straight; stringy, fibrous though fine grained, dark green in color. Seed black. An early, productive, profitable, gardener's variety. The plant is more vigorous and productive than the Red Valentine and pods darker green. ....	.10	.20	.35	.65
44 GIANT STRINGLESS GREEN POD. Exceptionally fine for either home use or market. The pods are round, 5 to 6 inches long, meaty, perfectly stringless and are borne continuously for weeks	.10	.20	.35	.65
38 TENNESSEE GREEN POD. A very hardy and healthy bean of recent introduction; is a good yielder of large, very flat pods, 6 to 7 inches long; dark green color and excellent flavor. Not entirely stringless. Its chief recommendations are earliness and vigor. This fine variety is planted very extensively in the South. ....	.10	.20	.35	.65
41 REFUGEE, OR THOUSAND TO ONE. A very productive, hardy, vigorous late sort, much in favor with the canning trade. Seed long, cylindrical, light drab, thickly dotted and splashed with purple.	.10	.20	.35	.65
43 EARLY MOHAWK. This hardy variety can be planted earlier than others and in this way will often furnish beans fit for use before any other green podded variety. The plants are large and with coarse dark green leaves. Seed of large size and length, mottled brown. ....	.10	.20	.35	.65
45 RUBY DWARF HORTICULTURAL. An improved type of the Dwarf Horticultural, and the best of the dwarf sort for green shell beans for the home or market and can be used as a green-podded snap bean. Seed large, oval, plump, pale buff, splashed with deep red. ....	.10	.20	.35	.65
42 BOUNTIFUL. Excellent early green-podded bush Bean; very popular for early garden snaps. Plants are vigorous growers and prolific bearers of long, 6 to 7 inch, straight, broad, thick-flat pods of light green color. There is very little string on an old pod, no noticeable string in the snap stage. Pods are tender and brittle, of fine quality and make a very handsome appearance with their long, broad, long-tipped, straight form. Matured seed is of medium size, kidney-shaped; light yellow with brownish circle around eye. An excellent variety. ....	.10	.25	.40	.75

All above Beans of one variety, 5 lbs. \$1.25; 10 lbs. \$2.40; 15 lbs. \$3.50.

Buchanan's Twenty-Five Vegetable Collections Thru This
Catalogue Save You Money

Buchanan's Dwarf or Bush Wax Podded Beans

ALL PRICES ON THIS PAGE POST PAID.
All 10c Pkts., 3 for 25c

Beans

No crop responds more readily than Beans to good soil and cultivation. A light, rich, well drained loam which was manured for the previous crop is the most desirable. If too rank manure is used it is apt to make the plant run too much to vine.

Beans are very sensitive to both cold and wet and it is useless to plant them before the ground has become dry and warm. The largest returns will result from planting in drills from two to three feet apart. Cover the seed one and one-half to two inches deep and thin the young plants three to six inches apart in the row. If planted in hills, make the hills about two feet apart each way. For succession, plant at intervals of one to two weeks till midsummer. The plants up to the time of blossoming should have frequent shallow cultivation, but any mutilation of the roots by cultivation after the plants come into bloom is likely to cause the blossoms to blast and so cut off the crop. Cultivation should always be very shallow and it is useless to expect a crop from a field so poorly prepared as to need deep stirring after planting.

We give careful attention to selecting and improving the different varieties and keeping them pure and we invite the most critical comparison of our stocks with those of any other grower.

The varieties of garden beans we offer have been separated for convenience into five groups: Wax Podded Dwarf or Bush sorts, Green Podded Dwarf or Bush sorts, Dwarf Limas, Pole or Running sorts and Pole Limas. Nearly all of these sorts, except the Limas, are suitable when young for use as snaps, which in some localities are called "snapshots." The low growing sorts are called Bunch beans in some sections. In northern latitudes the term "butter-beans" is often applied to low growing wax podded sorts. In the south, however, the term "butter-beans" is usually applied to limas.



Stringless Green Pod

All Prices Post Paid		1/2	1	2
	Pkt.	Lb.	Lb.	Lb.
Dwarf Wax Beans				
55 DWARF GERMAN OR BLACK WAX. A very early dwarf growing variety, will stand close planting; very prolific, pods medium length, stringless and nearly round, of creamy white color. Seed small, oblong, solid black.....	10	25	40	70
56 BLACK WAX, CURRIE'S RUST-PROOF. Very productive, rustless; long, flat pods, which are very crisp, brittle and tender when young. Seed black, fine for shipping.....	10	25	40	70
57 DAVIS WHITE KIDNEY WAX. One of the most popular flat podded wax beans. Long, handsome, yellow pods of fine quality. Seed medium large, kidney shaped, clear white.....	10	25	40	70
58 BUCHANAN'S IMPROVED GOLDEN WAX. One of the best Snap Beans, with golden yellow pod of excellent flavor. Medium in length, straight and oval. Seed white and mottled brown, round in shape.....	10	25	40	70
60 ROUND-POD, KIDNEY WAX (Brittle Wax). The best of the round podded sorts; early, prolific; pods long, handsome shape and color; entirely stringless; quality excellent. Seed white with brownish-black eye.....	10	25	40	70
59 SURE CROP STRINGLESS WAX. In many respects the finest wax bean ever introduced. It is very prolific and of the finest eating qualities. The handsome rich looking yellow pods are 6 to 7 inches long, almost round, very meaty and sweet flavored; stringless at all stages of growth. Plants are very upright in growth, healthy and vigorous.....	10	25	40	70
61 WHITE NAVY, OR BOSTON PEA BEANS. Yields large quantities of white shell beans, which are used for baking.....	10	25	40	70

Buchanan's Big 5 Bean Collection

51—One packet each—Red Valentine, Buchanan's Golden Wax, Kentucky Wonder, Buchanan's Bush Butter and Buchanan's Pole Butter Bean. 50c for 40c.

One Pound Each—Red Valentine, Buchanan's Golden Wax, Kentucky Wonder, Buchanan's Bush Butter and Buchanan's Pole Butter beans. \$1.75 for \$1.60.

Two Pounds Each—Red Valentine, Buchanan's Golden Wax, Kentucky Wonder, Buchanan's Bush Butter and Buchanan's Pole Butter Beans. \$3.25 for \$3.00.



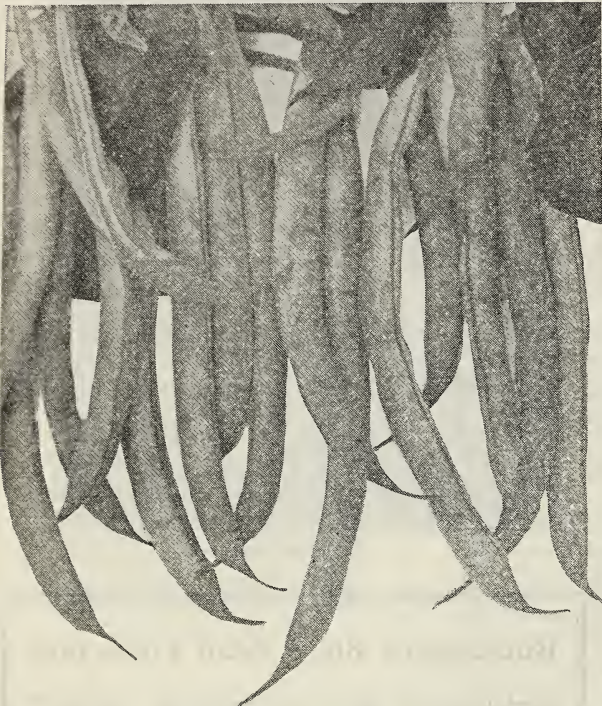
Buchanan's Improved Golden Wax



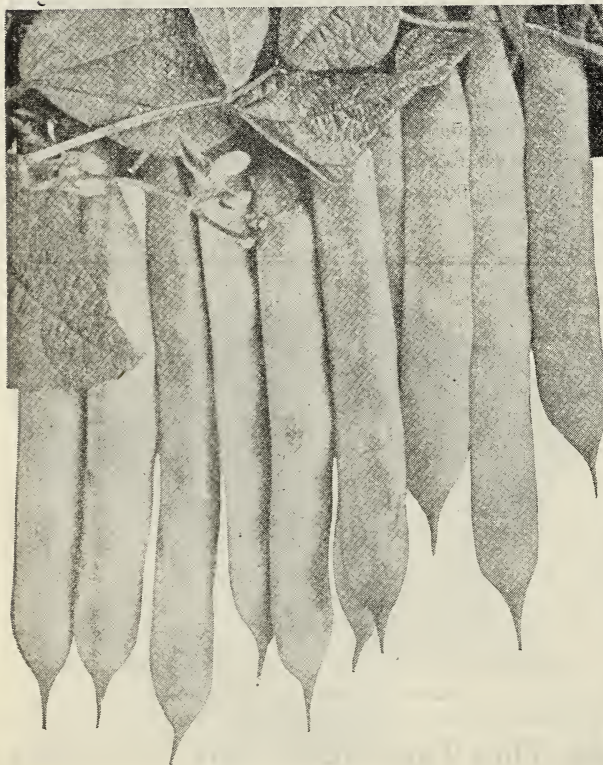
Buchanan's Pole or Running Beans

CULTURE.—One quart will plant about 150 hills. Pole Beans require warm, rich, loamy soil and, in the South, should not be planted until two weeks later than Bush Beans. Plant in rows 4 feet apart each way, or in drills if wire trellis is used. Plant 4 to 6 beans around each pole, or 2 to 3 beans may be planted in hills a foot apart under a wire trellis. Cultivate freely and, if possible, top-dress around each hill with a small quantity of Buchanan's Truck Fertilizer. When hoeing, work this dressing well into the soil.

FIELD PLANTING—In rows 4 ft. apart and 3 ft. apart in rows. $\frac{1}{2}$ to $\frac{3}{4}$ Bu. to acre. Ready in 10 weeks. 60 lbs. in Bushel.



Buchanan's Kentucky Wonder



White Kentucky Wonder

All Prices on this Page Post Paid
All 10c Pkts. 3 for 25c

Pkt. $\frac{1}{2}$ Lb. 1 Lb. 2 Lb.

- | | | | | | |
|----|--|-----|-----|-----|-----|
| 67 | KENTUCKY WONDER. Sometimes called Old Homestead. This is no doubt the most popular and practically useful of the green podded pole beans for use as snaps. It is early, very prolific, with showy pods of the most excellent quality. The vines are vigorous, climbing well and very productive, bearing pods in large clusters. The pods are very long, often measuring 9 to 10 inches, and are light green in color, curved and twisted nearly round, and very crisp when young, becoming irregular and spongy as they ripen. Seed long oval, slightly flattened, dun colored. | .10 | .20 | .40 | .65 |
| 68 | WHITE CREASEBACK. This variety is valuable for its extreme earliness and its habit of perfecting all its pods within a short time. The vines are medium-sized, hardy and moderately productive. The pods measure 5 to 6 inches long, uniform, round, slender, slightly stringy, very fleshy, brittle and fine grained, good quality and dark green color. Seed small, oval, white. | .10 | .20 | .40 | .65 |
| 66 | STRIPED SCOTIA OR CORNFIELD BEANS. A superb long green bean, succeeding better when planted in cornfield than any other variety. The handsome green pods average 8 or 9 beans to the pod, grow very uniform, about 6 inches long, thick meated, rich and buttery. It continues in bearing so long it might be called "Everbearing." Specially adapted to growing on corn, thus economizing space on valuable land, or where poles are scarce. Seed small-medium, kidney shaped, mottled putty color with dark striping. | .10 | .25 | .35 | .60 |
| 72 | WHITE OR SOUTHERN CORNFIELD. A popular early green podded pole bean for snap-shorts; of rapid growth and very productive. Pods grow in clusters and are from 5 to 6 inches in length, perfectly round, being deeply creased or "saddle-backed." The dry seed is pure white and excellent for winter use. Seed small oblong, white in color. | .10 | .25 | .40 | .70 |
| 71 | WHITE KENTUCKY WONDER (Green Pod). This is truly a grand pole bean for home gardens and in this respect excels anything I know of. The pods are large and fill perfectly, and in the "snap" stage are deep green in color, meaty, stringless and of the finest flavor. When allowed to ripen the shell beans of pure white are most excellent for winter use. Seed small, oval, white in color. | .10 | .25 | .45 | .80 |
| 64 | KENTUCKY WONDER WAX. This is one of the earliest of the wax podded sorts, and similar to the green podded Kentucky Wonder, but the pods are broader. The pods are very long, handsome light yellow, often over 8 inches long, very fleshy, brittle but stringy. Seed medium sized, oval, flattened, very irregular, usually somewhat shriveled, dark brown. | .10 | .25 | .45 | .75 |
| 65 | HORTICULTURAL POLE. | .10 | .25 | .45 | .75 |
| 70 | LAZY WIFE'S POLE BEANS. | .10 | .25 | .45 | .75 |
| 69 | RED SPECKLED CUT-SHORT. | .10 | .25 | .45 | .75 |

All above Beans of one variety, 5lbs. \$1.75;
10 lbs. \$3.25; 15 lbs. \$4.50.

Buchanan's Twenty-Five Vegetable Collections Thru
This Catalogue Save You Money

Buchanan's Pole and Dwarf Lima Beans

CULTURE.—One quart will plant about 150 hills. Pole Limas require warm, rich, loamy soil. Plant when the soil has become well warmed through in the spring as the seed will rot in cold, soggy soil. When poles are used for support they should be set not less than 4 feet apart each way. Plant 4 to 6 beans around each pole 2 inches deep and thin out to three plants to the pole. Cultivate frequently but shallow and use a top dressing of good commercial fertilizer or poultry manure, working same well into the soil.

Field Planting—In rows 4 ft. apart and 3 ft. apart in rows. ¼ to ¾ Bu. to acre. Ready in 10 weeks. 60 lbs. in bushel.

All Prices on this Page Post Paid
All 10c Pkts. 3 for 25c

	Pkt.	½ Lb.	1 Lb.	2 Lb.
77 BUCHANAN'S POLE BUTTER BEAN. This is an improved strain of the small type regular Butter Bean. Both pods and beans are larger than Sieva, in fact they are very near as large as Large White Lima, and are wonderfully productive; vines always loaded with delicious, tender beans, and cook soft as butter .....	.10	.25	.45	.80
78 CAROLINA SIEVA OR SMALL LIMA. This is the true Butter Bean. The seed beans are very small and white. The plants are of large growth, very early, vigorous and productive, and will stand more heat and drouth than any other of the Limas, and are one of the best for planting in the South.....	.10	.25	.35	.70
79 CALICO LIMA (Pole). The most wonderful producer in the world. The beans are all colors, blotched, blue and red mottled; medium in size and superb in quality. This is an old garden variety that was lost track of for some time, but we have been fortunate in having a nice stock grown the past season. Don't miss Calico Beans when making up your order.....	.10	.25	.40	.75
80 BUCHANAN'S MONSTROUS LIMA. The pods of this variety are very large, often measuring 8 inches long and containing seven beans of the most excellent quality, and bearing about the same time as the Large Lima, and the vines are vigorous and strong-growing and are exceptionally productive. The seed are very large .....	.10	.25	.45	.75
74 EARLY JERSEY. About a week earlier than Large White Lima, with pods, and beans somewhat smaller.....	.10	.25	.45	.75
75 LARGE WHITE LIMA. This well known variety is one of the best of the larger varieties for planting in the South.....	.10	.25	.45	.75
76 KING OF THE GARDEN. An improved strain of the Large White Lima. The pods are about an inch longer, proportionately wider, and uniformly 4-seeded .....	.10	.25	.45	.75

QUANTITY PRICES—On all seeds see yellow price list in center of book.

Dwarf or Bush Varieties

CULTURE—One quart will plant 100 feet of row, or 3 pecks to the acre. Bush Limas require the same cultivation as stated above for Pole Limas, except that the rows should be 2 feet apart and 6 inches of space between each plant in the row

Field Planting—In rows 4 ft. apart and 6 in. apart in rows. ¼ to ¾ Bu. to acre. Ready in 10 weeks. 60 lbs. in bushel.

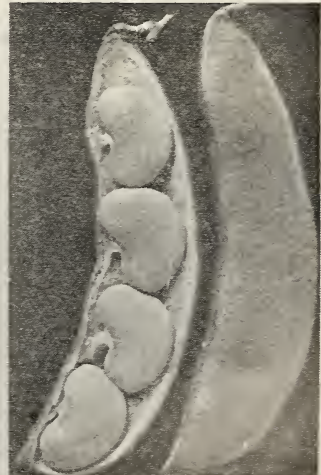
49 HENDERSON'S BUSH. One of the most valuable of the bush varieties owing to its extreme earliness, hardiness and productiveness. The plants are without runners but continue to grow and set until stopped by frost. The leaves are small and very dark green. The pods are small, about 3 inches long, containing 3 to 4 beans, which are of excellent quality, either green shelled or dry. This variety is much in favor with the canners and none better for the home garden .....	.10	.25	.35	.65
50 BUCHANAN'S BUSH BUTTER BEAN. This variety is very similar to Henderson's Bush, being quite similar in character and habit of growth, though the beans are somewhat larger and thicker. Pods are ready for use a week earlier than Burpee's Bush Lima.....	.10	.25	.45	.80
48 FORDHOOK BUSH. This is the only variety with a stiff, erect bush form habit, branching freely, but branches of upright growth. The pods are produced in large clusters, medium green, about 5 inches long and each containing 4 to 5 large beans of the finest quality .....	.10	.30	.55	1.00
46 BURPEE'S IMPROVED BUSH. This is one of the earliest of the large seeded Limas. The plants are vigorous and productive. The pods are medium green, very large, about 5 inches long .....	.10	.25	.45	.80

All above Beans of one variety, 5 lbs. \$1.75; 10 lbs. \$3.25; 15 lbs. \$4.50.



Buchanan's Pole Butter Beans

Buchanan's
 Bean Collections
 Save Money
 See Page 7



Buchanan's Bush Butter Beans

All Seeds listed on this page are delivered transportation paid in the U. S. or possessions.



Garden Beets, Sugar Beets, Stock Beets

CULTURE.—Sow as early in the Spring as the ground can be worked, and every two weeks after for a succession up to the first of July. Sow in rows from 1 foot to 15 inches apart, and when well up, thin to from 4 to 6 inches. About 6 lbs. of seed to the acre for garden or stock feed. If you are growing for sugar then about 2 pounds of seed to the acre. For general crop, sow about March 15 to May 15. The soil best adapted for beet culture is a light, sandy loam, must be well enriched with stable manure and plowed and harrowed until very fine. Young beet plants make a fine quality of "greens" and are superior to spinach and turnips for this purpose. The consumption of beets increases every year. We offer carefully selected and most popular varieties.

**(18) Buchanan's
Beet Collections
Save Money**

Buchanan's Market Gardener for first crop.

Early Blood Turnip, mid-season.

Detroit Dark Red, late.

Price Coll. of 3 pkts. 25c.,
1 oz. each 40c.

**All Prices on this Page Post Paid
All 10c Pkts. 3 for 25c**

	Pkt.	1 Oz.	1 1/4 Lb.	1 Lb.
17 BUCHANAN'S MARKET GARDENER BEET. Our gardeners' favorite owing to its extreme earliness and uniformity in both shape and color. It is without a doubt the best beet for the home garden, or for canning. The tops are small and upright in growth. The leaves are dark green, shaded red. The roots are medium size, globular, very smooth and of dark blood red color, while the flesh is a deep vermilion red zoned with lighter shade. It is unsurpassed in quality . . . . .	.10	.20	.45	.95
19 BUCHANAN'S CRIMSON GLOBE. A rich, deep crimson beet of perfect globe-shape, smooth and clean. Matures very early, is of a most attractive appearance, and in quality is not surpassed by any other variety. We recommend it not only for market gardeners and truckers, but for the home garden as well . . . . .	.10	.15	.35	.95
21 EARLY BLOOD TURNIP. An extra selected, smooth, dark red beet of uniform size and first-class quality. One of the best for main crop, also for sowing in May or June to make late beets for storing for winter . . . . .	.10	.15	.35	.75
20 EXTRA EARLY EGYPTIAN. One of the very earliest, with small tops and best for forcing or early outdoor planting. Roots distinctly flat and moderately thick, very dark red; flesh dark purplish red, zoned a lighter shade . . . . .	.10	.15	.35	.75
24 CROSBY'S IMPROVED EGYPTIAN. More largely planted for early market than any other kind, and has proved a most profitable and satisfactory crop, particularly with our truckers and large shippers . . . . .	.10	.15	.35	.65
22 EXTRA EARLY ECLIPSE. A very early beet, making handsome, smooth, round roots with small top and small tap-root, and nearly as early as the Egyptian. Color, bright red; flesh fine grained, sweet and tender . . . . .	.10	.15	.35	.75
25 LONG SMOOTH BLOOD. Recommended for late sowing to make a crop to put away for Winter. A fine keeper, remaining sweet and tender until Spring . . . . .	.10	.15	.35	.70
23 DETROIT DARK RED TURNIP. Round; skin dark blood red, flesh bright red . . . . .	.10	.15	.35	.75

Mangel Wurzel or Sugar Beets

CULTURE—One oz. will sow .50 feet of drill. For Field Planting—Rows 3 feet apart plants 6 inches apart in rows. 6 lbs. to acre. Ready in Fall and Winter.

30 MAMMOTH LONG RED. The largest stock beet, yields 40 to 50 tons to the acre . . . . .	.10	.15	.25	.60
29 GOLDEN TANKARD. The tops are comparatively small, with the one-leaf stalk and veins distinctly tinged with yellow . . . . .	.10	.15	.25	.60
35 LANE'S IMPERIAL . . . . .	.10	.15	.25	.60
36 KLEIN WANZLEBEN . . . . .	.10	.15	.25	.60

All varieties, 5 lbs. \$2.00; 10 lbs. \$3.50; 25 lbs. \$8.00.

Swiss Chard

One ounce will sow 100 feet of row.

**Silver Beet, or Cut and Come Again
Spinach**

CULTURE—Grown for its leaves only; one of the best early Greens. Cook the leaves as you do spinach and the stems in cream as asparagus. Leaves grow to enormous size, 20 inches to 2 feet in length. The plant is almost perpetual if kept trimmed, but it is better to have a new crop every year.

26 SWISS CHARD (Silver or Sea Kale). Its yellowish-green, large leaves are used as greens and the middle leaf-rib served like asparagus . . . . .	.10	.15	.25	.75
27 SWISS CHARD (Lucullus). An improved type of Chard. Of more upright growth than the Silver variety; leaves yellowish-green, much crumpled and curled; mid-rib and veins white; stalks thick, broad and flat, and as large as rhubarb . . . . .	.10	.15	.25	.75



Swiss Chard, or Sea Kale



Buchanan's American Grown Cabbage Seed

CULTURE—One ounce will produce 3,000 plants. For early use the seed should be started in the house or hotbed January or February. When the young plants are well started, transplant so as to stand 3 inches apart each way. About the end of March they may be transplanted into the garden in rows 3 feet apart, setting the plants 18 inches apart each way. For late use, sow the seed about the middle of May, or sowings can be made up to July 10, in a finely prepared seed bed, later transplanting to rows 3 feet apart, setting the plants 2½ feet apart. Protect against ravages of insects as follows: For cut worms, use Slug Shot; for lice, Tobacco Dust; for cabbage beetle and green aphid, use Black Leaf 40, Nicotine Sulphate or Tobacco Dust. See Insecticides, pages 98 and 99.

All Prices on This Page Post Paid.

All 10c Pkts., 3 for 25c

Early Varieties

86—EARLY JERSEY WAKEFIELD—A leading variety and one of the best for private or market gardeners' use; conical shape. Pkt., 10c; oz., 35c; 2 oz., 65c; ¼ lb., 90c; 1 lb. \$2.15.

102—EXTRA EARLY EUREKA CABBAGE—This is a valuable extra early variety, coming into use as early as Wakefield. The heads are round, slightly flattened and very solid. Fine market gardener's stock. Pkt., 10c, 1 oz., 40c; 2 oz., 75c; ¼ lb., \$1.00; 1 lb., \$3.50.

87—CHARLESTON LARGE WAKEFIELD—This is a few days later than the Early Jersey Wakefield, but makes a larger and firmer head. We strongly recommend it as the best main crop early cabbage grown, for the home garden and market. Our seed of this is grown from a specially selected stock. Pkt., 10c; 1 oz., 35c; 2 oz., 65c; ¼ lb., 90c; 1 lb., \$2.15.

90—EARLY SPRING—The earliest flat headed variety. The plants are vigorous, very compact, with few outer leaves and a short stem. The leaves are nearly round, broad, smooth and of distinctive light green color. Pkt., 10c; 1 oz., 35c; 2 oz., 65c; ¼ lb., 90c; 1 lb., \$2.15.

94—COPENHAGEN MARKET—The earliest, large, round-headed cabbage yet introduced. The heads are round, very solid and exceptionally good quality. Pkt., 10c; 1 oz., 40c; 2 oz., 75c; ¼ lb., \$1.00; 1 lb., \$2.50.

Second Early Varieties

98—ALL HEAD EARLY—The largest heading of the second early sorts, of excellent quality. The deep flat heads are remarkably solid, and very uniform in size, of a very compact growth, having a few outer leaves; can be planted as close as the Wakefield. Pkt., 10c; 1 oz., 20c; 2 oz., 40c; ¼ lb., 75c; 1 lb., \$1.75.

96—SOLID SOUTH—A magnificent cabbage, resembling the Early Summer. Pkt., 10c; 1 oz., 25c; 2 oz., 40c; ¼ lb., 75c; 1 lb., \$1.75.

89—EARLY WINNINGSTADT—Conical shape; quality very good. This variety is especially adapted for light soils. Pkt., 10c; 1 oz., 25c; 2 oz., 45c; ¼ lb., 60c; 1 lb., \$1.75.

99—EARLY DRUMHEAD—A second early, large, round, solid-heading variety. Pkt., 10c; 1 oz., 25c; 2 oz., 40c; ¼ lb., 60c; 1 lb., \$1.75.

101—EARLY FLAT DUTCH—This is a grand second early cabbage, of large size. Pkt., 10c; 1 oz., 25c; 2 oz., 40c; ¼ lb., 75c; 1 lb., \$2.00.

95—EARLY SUMMER—A second early cabbage, which matures about ten days after the Jersey Wakefield. Pkt., 10c; 1 oz., 25c; 2 oz., 40c; ¼ lb., 60c; 1 lb., \$1.75.

85—ALL SEASONS—An early Drumhead cabbage. Pkt., 10c; 1 oz., 25c; 2 oz., 40c; ¼ lb., 60c; 1 lb., \$1.75.

91—SUCCESSION—Long a favorite with Southern market gardeners and shippers. A good second early, following in maturity varieties like our All Head Early and Sure Crop. Medium to large size, solid and a reliable header. Pkt., 10c; 1 oz., 25c; 2 oz., 40c; ¼ lb., 75c; 1 lb., \$2.00.



Early Jersey Wakefield



Extra Early Eureka



Large Late Flat Dutch



All Prices on This Page Post Paid.

All 10c Pkts., 3 for 25c

Late or Winter Varieties

97—SUREHEAD—This variety produces large heads, weighing 15 to 20 pounds. The quality is good, and it can be grown either as a second early or late sort. Pkt., 10c; 1 oz., 25c; 2 oz., 40c; 1/4 lb., 75c; 1 lb., \$2.50.

93—IMPROVED LARGE LATE FLAT DUTCH—Heads large, bluish green, round, solid and broad on top, more extensively planted than any other variety. Pkt., 10c; 1 oz., 25c; 2 oz., 40c; 1/4 lb., 75c; 1 lb., \$2.50.

92—IMPROVED LARGE LATE DRUMHEAD—We recommend this for late market. For heading, evenness of crop and size, our strain of this cannot be surpassed. Pkt., 10c; 1 oz., 25c; 2 oz., 45c; 1/4 lb., 75c; 1 lb., \$2.50.

100—DRUMHEAD SAVOY—This is undoubtedly the finest type of Winter Cabbage. After having been frosted it boils like marrow, and is not surpassed even by the cauliflower in its best condition. Pkt., 10c; 1 oz., 25c; 2 oz., 40c; 1/4 lb., 80c; 1 lb., \$2.75.

88—MAMMOTH RED ROCK—This is the largest variety of Red Cabbage and produces heads which are remarkably solid, more so than any other kind. The heads are round with spreading outer leaves and matures at a late season. It is the best and most attractive Red Cabbage grown. Pkt., 10c; 1 oz., 35c; 1/4 lb., \$1.00; 1 lb., \$3.25.

Celery Cabbage

83—CELERY CABBAGE—Chinese or Pe-Tsai. Pkt., 10c; oz., 35c; 1/4 lb., 90c; lb., \$3.00.

Southern Collards

CULTURE—One ounce will produce about 1,500 plants, or 150 feet of row. It produces a plant bearing a mass of leaves on the top of a stout stalk, and is a species of cabbage, and the flavor is the same. It is extensively used for the table, for winter greens, throughout the South. Sow the seed thickly in drills, in rich ground, transplanting when about four inches high. In the South, seed may be sown from January to May and from August to October.

127—GEORGIA WHITE CABBAGE—Whiter and more tender than the Blue Stem. Introduced 15 years ago. Three-fourths of them bunch or head up in winter, weighing 10 pounds or more. Plants grow 30 to 40 inches high and as much across. Pkt., 10c; 1 oz., 15c; 2 oz., 25c; 1/4 lb., 30c; 1 lb., 90c.

126—SOUTHERN OR BLUE STEM—This variety is the old-time favorite. It stands all sorts of adverse conditions without injury, and will make a good crop where the soil is too poor to grow cabbage, and it makes an excellent substitute for that vegetable. Is very hardy, stands winter without serious injury. Pkt., 10c; 1 oz., 15c; 2 oz., 25c; 1/4 lb., 40c; 1 lb., 85c.

128—NORTH CAROLINA—A decided improvement, and has proved very popular wherever grown. Has short stem, large spreading leaves, very hardy, withstanding drouth in summer and cold in winter. Its flavor and cooking qualities are the very best. Pkt., 10c; 1 oz., 15c; 2 oz., 25c; 1/4 lb., 40c; 1 lb., 85c.

Chicory

119—WITLOOF-CHICORY, OR FRENCH ENDIVE—Witloof is used principally as a winter salad, and is most delicious served with French Dressing and eaten like Cos Lettuce. The seed should be sown in the open ground and not later than June in drills 12 to 18 inches apart, and the seedlings should be planted to stand not closer than 3 inches. Pkt., 10c; 1 oz., 40c; 2 oz., 75c; 1/4 lb., \$1.25; 1 lb., \$2.50.

120—CARDOON—Large Spanish. Pkt., 10c.



Early Flat Dutch



Succession



Late Drumhead

(84) Buchanan's Cabbage Collection

Jersey Wakefield.....For 1st Crop

Succession.....for 2nd Crop

Late Drumhead.....For Late Crop

Price—Collection, 3 pkts..... 25c

Price—Collection, 3—1/2 ozs..... 50c

Buchanan's Carrots, Celery and Cauliflower

Carrots

CULTURE—For main crop, sow from middle of May to the first of July. Thin out early crop to 5 inches in the row, main crop 6 to 7 inches, the rows 10 inches apart for early crop, 14 for main crop. Hoe often and deeply between the rows. Soil light and loamy, richly manured and deeply dug. Sow at the rate of 2 to 3 lbs. to the acre.

For Fall Planting—Rows 1 to 2 feet apart, plants 3 in. apart in row. 3 to 4 lbs. to acre. Ready in 50 days.

All Prices on This Page Post Paid
All 10c Pkts., 3 for 25c

103—OXHEART OR GUERANDE—One of the heaviest yielders and the best for stiff and heavy soils where the long varieties would fail. The roots are often 3 to 3½ inches thick at the top; nearly oval in shape; the flesh is bright orange, fine grained and sweet. Of the finest table qualities and equally good for stock. Pkt., 10c; 1 oz., 15c; 2 oz., 25c; ¼ lb., 35c; 1 lb., \$1.00.

105—BUCHANAN'S HALF LONG DANVERS—One of the most productive and suits all kinds of soils. The roots are smooth and handsome, deep orange color, medium length, tapering to a blunt point. The flesh is sweet, crisp and tender. Pkt., 10c; 1 oz., 15c; 2 oz., 25c; ¼ lb., 35c; 1 lb., \$1.00.

106—BUCHANAN'S IMPROVED LONG ORANGE—Especially fine on light soils, making long, smooth, tapering roots of a deep orange color, free from side roots and superior in every respect. A fine winter sort for table, market and stock. Pkt., 10c; 1 oz., 15c; 2 oz., 25c; ¼ lb., 35c; 1 lb., 90c.

107—LARGE WHITE BELGIAN—Grown exclusively for stock feeding. Roots about 16 inches long and very thick, white under ground and green above; grows about one-third above ground. Pkt., 10c; 1 oz., 15c; 2 oz., 25c; ¼ lb., 35c; 1 lb., 85c.

104—SCARLET HORN, EARLY—Very thick roots; fine for frames. Pkt., 10c; 1 oz., 15c; 2 oz., 25c; ¼ lb., 35c; 1 lb., \$1.00.

Celery

CULTURE—1 ounce of seed makes 5,000 plants. Set in rows 3 ft. apart, 6 in. in row, 20,000 plants to acre. Ready in 5 months.

121—IMPROVED WHITE PLUME—A magnificent celery for early use, and being self-blanching, requires but little working. The stalks and leaves naturally turn white upon reaching maturity. In succulence, crispness and flavor it is all that can be desired. Pkt., 10c; 1 oz., 25c; ¼ lb., 75c; 1 lb., \$2.50.

122—GOLDEN SELF-BLANCHING—American grown. The best self-blanching sort, it acquires a handsome golden color without having to be hilled up, which makes a very valuable market sort. Pkt., 10c; 1 oz., 50c; ¼ lb., \$1.50; 1 lb., \$5.00.
French Grown—Pkt., 25c; 1 oz., \$1.00; ¼ lb., \$3.25; 1 lb., \$12.00.

123—GIANT PASCAL—In the South this is more generally grown than any other late celery. For fall and early winter it is certainly one of the best. It makes large, thick, solid stalks, with a beautiful creamy-yellow heart; blanched easily and quickly; very crisp and of fine nutty flavor. Pkt., 10c; 1 oz., 20c; ¼ lb., 65c.

Cauliflower

CULTURE—The same as for cabbage, except that extra manure and plenty of water will pay upon Cauliflower.

109—EXTRA EARLY SNOWBALL—There is no better Cauliflower for Southern growers, and our strain is as fine as can be had at any price. It is not only the earliest to head, but a remarkably sure header, making large, solid, perfect, pure white heads of the finest quality. Late summer and fall crop. Price, Pkt., 20c; ½ oz., \$1.15; 1 oz., \$2.00; ¼ lb., \$3.75; 1 lb., \$14.00.

BUCHANAN'S
All Season
Cucumber Collection
SAVE MONEY—SEE PAGE 14



Oxheart or Guerande Carrot



Danvers Half Long Carrot

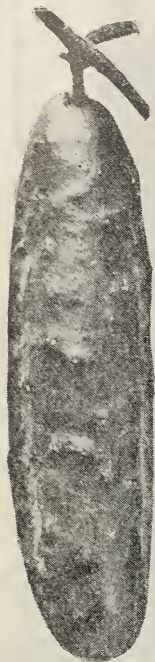


Buchanan's Cucumber Seeds

CULTURE.—One ounce will plant 50 hills; 1 to 2 pounds will plant 1 acre. Cucumbers succeed best in warm, rich sandy loam, and should not be planted in open air until there is a prospect of settled warm weather. Plant in hills about 4 feet apart each way, and when all danger of insects is past, thin out the plants, leaving 3 or 4 of the strongest to each hill.

All Prices on this Page Post Paid
All 10c Pkts. 3 for 25c

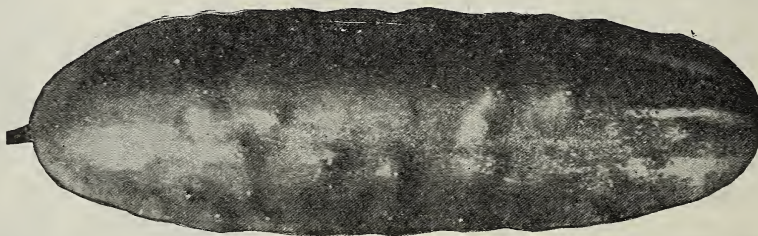
		Pkt.	Oz.	$\frac{1}{4}$ Lb.	1 Lb.
165	BUCHANAN'S IMPROVED WHITE SPINE. A grand new variety, so very superior to any other stock of White Spine as not to be classed with either in quality or price. Vine is a very strong grower; foliage broad-leaved, deep green, close-jointed, does not sunburn. Blooms early at every joint and sets fruit at every bloom. Large fruit for slicing can be gathered in eight weeks. The finest strain of White Spine in existence, as certified by hundreds of market gardeners.	.10	.20	.50	1.25
171	NORTON'S WHITE SPINE. A very fine strain of White Spine, showing evidences of its Emerald parentage in occasionally throwing a smooth, green type. Fruits very rich dark green, symmetrical, thick and nearly square-ended; plant healthy, vigorous and productive. Popular in the South as a shipping variety.	.10	.15	.40	1.00
161	CUMBERLAND PICKLE (Large). The best pickling cucumber in cultivation. For productiveness it is unequalled, and the quality of the fruit is the very best.	.10	.15	.40	1.00
164	BUCHANAN'S EARLY FORTUNE. The finest type of White Spine yet produced. Early, very productive and disease-resistant; fruits nine inches long, slightly tapering; flesh white, very firm and crisp, with very few seed; color rich, dark green, which does not fade when shipped a long distance.	.10	.20	.50	1.25
163	EARLY GREEN CLUSTER. Very early variety, bearing in clusters of two and three. If kept gathered from the vines it will continue to set fruit through a long season. This is a splendid variety for pickling.	.10	.15	.40	1.00
166	IMPROVED LONG GREEN. An old-time favorite in the South; fruits extra long and of good size, holding their dark green color until well matured. Crisp, tender and free from bitterness; fine for slicing. When 3 to 4 inches long they make an especially fine pickling cucumber. Good for planting at all seasons from early spring to late summer.	.10	.15	.40	1.00
170	EVERBEARING. A productive, main crop variety, quite similar in appearance to Early Frame, though fruit is not thick; a fair pickler.	.10	.15	.40	1.00
167	GHERKIN, OR BURR. A small oval-shaped, prickly variety, used exclusively for pickles, for which it is very desirable.	.10	.20	.50	1.25
162	DAVIS PERFECT. A sure money maker for those engaged in growing cucumbers. Grows under glass as well as out of doors. It is seedless almost one-third the length from the stems. It is a rich dark green and holds its color until nearly ripe. The flesh is of excellent flavor; white, clear, crisp.	.10	.20	.50	1.15
168	JAPANESE CLIMBING. A distinct climbing sort for covering fences or trellises; fruit 10 inches long, thick, crisp and fine quality; color dark green.	.10	.20	.50	1.25
169	BUCK BRAND MIXED CUCUMBERS. A mixture of all varieties, to give you both eating and pickling cucumbers with one planting.	.10	.15	.40	1.00
160	CHICAGO PICKLING. The fruits of this very desirable sort are of medium length, tapering at each end, with very large and prominent spines. The color is deep green. This is a very prolific variety and one of the best for those who want crisp, coarsely spined pickles.	.10	.15	.40	1.25



Cumberland
Pickle



Long Green



Japanese Climbing



Buchanan's Improved White Spine Cucumbers

172 CUCUMBER

All Season
Collection

Buchanan's Im-
proved White Spine
Cumberland Pickle.
Improved Long
Green.

Price Coll. 3 pkts.
25c, 1 oz. each 60c.

All Seeds listed on this page are delivered transportation paid in the U. S. or possessions. ORDER EARLY



Corn—Sugar Sweet and Roasting Ear

CULTURE.—One quart will plant 200 hills; 8 quarts will plant one acre. Sweet Corn varies greatly in hardiness, earliness, size and sweetness. The early sorts grow only 3 to 5 feet high and may be planted when the trees are starting out in leaf, about the middle of March, in rows 3 feet apart, making the hills about 1 foot apart. The later and sweeter varieties are more tender and should not be planted until the trees are in full leaf or the seed will rot in the ground. Plant garden corn in rows 3 feet apart, making the hills 18 inches apart in the rows.

All Prices on this Page Post Paid
All 10c Pkts. 3 for 25c

	Pkt.	½ Lb.	1 Lb.	2 Lb.
Extra Early Varieties				
135 EXTRA EARLY ADAMS (Sweet). Owing to its extreme earliness it is used for a first early table corn in the South. The stalks are about 4 feet high, with small tassel, very few leaves, and without suckers. The ears are short, very full, 12 or 14-rowed, often nearly as thick as they are long and well covered with coarse husks. The kernels are white and smooth. This is an extremely hardy variety which can be grown closer together than most sorts.....	10	15	25	45
134 GOLDEN BANTAM (Sugar). The sweetest and most delicious extra early corn for the home garden. Extremely early and very productive. The stalks grow only 5 feet in height and, where space is limited, the hills can be as close as 2½ feet apart. Each stalk bears two or three well-filled ears, 6 to 7 inches in length. The kernels are of a beautiful yellow color, very milky, tender and sweet. Golden Bantam combines all the best qualities desired in Sweet Corn. We recommend it most highly for every garden, especially the small ones where space is limited.....	10	20	35	65
Medium Early Varieties				
136 ADAMS EARLY LARGE (Sweet). One of our leading varieties. Matures about two weeks later than the Extra Early Adams, but ears are larger and handsomer. The stalks are vigorous, averaging seven feet in height, and well bladed. This and the Adams Extra Early are very hardy and can be planted earlier than sweet corns. Has small stalk and can be planted close. More valuable for the market than for home gardens, as this as well as Adams Extra Early, lacks fineness of flavor found in sweet varieties.....	10	15	25	45
137 TRUCKER'S FAVORITE (Sweet). For a second early, to follow Early Adams, this is unquestionably one of the best; or for planting late to mature quickly it is equally valuable. It is a white corn, with good depth of grain, tender and sweet, and a most desirable size for roasting ears. Besides being a fine garden corn, it is a splendid field corn to follow potatoes and other early crops. The ears are large and well filled. A big advantage in growing Trucker's Favorite is that should you not use it all for roasting ears; it will make large ears for making meal or feeding. It makes the largest ear of any early garden corn, averaging over 8 inches long. A fine combination of earliness and size; hardy and can be planted early.....	10	15	25	50
139 EARLY MINNESOTA (Sweet).....	10	15	25	50
142 BLACK MEXICAN (Sugar).....	10	25	40	70

Main Crop Varieties

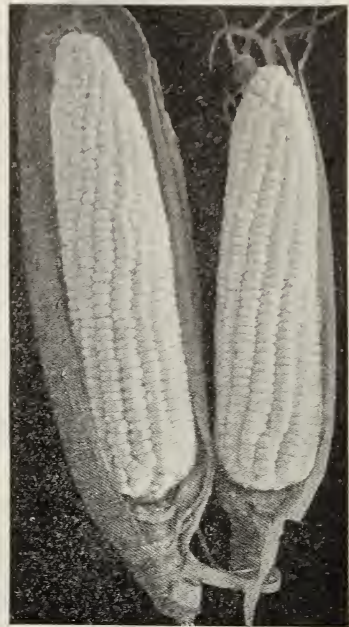
138 STOWELL'S EVERGREEN (SUGAR). The standard main crop variety, much used for the home garden, market, and canning. It is hardy and productive, very tender and sugary, remaining a long time in condition suitable for boiling. Our stock has been carefully grown and selected to avoid the tendency to a shorter grain and deterioration in the evergreen character of this best known of all late sorts. The ears are about 7 to 8 inches long, 14 to 20-rowed, with very white grain. The stalks are about 7½ feet high.....	10	20	30	55
140 COUNTRY GENTLEMAN (SUGAR). One of the best known of the mid-season varieties. It is the old shoe-peg type of kernel, pure white, very sweet and tender. It is a good yielder, producing 2 to 3 good-sized ears to the stalk. The cob is small and densely covered with irregular rows of very long, slender, white grains of excellent quality. Do not fail to plant some of this variety in your garden this year.....	10	20	30	55
31 POP CORN (Japanese Rice).....	10	20	30	55
32 POP CORN (White Rice).....	10	20	30	55
33 POP CORN (Golden Queen).....	10	20	30	55

THE CONTINUITY COLLECTION OF FIVE VARIETIES

These collections are made up of 5 varieties to supply the home table continuously throughout the season with tender, milky, and delicious Sweet Corn. They are listed so as to indicate their respective seasons of maturing. The selection is made primarily for quality and may be perfectly relied on not only in this respect, but also as regards its continuity. *Seeds of the entire collection should be planted at one time, otherwise the succession will be broken.* These collections are put up in three sizes—packet, pounds, and 2 pounds, and will be found of great convenience, especially to those unfamiliar with varieties.

Golden Bantam, Extra Early; Large Adams, Early; Early Surprise, Medium Early; Country Gentleman, Mid-season; Stowell's Evergreen, Late.

1 Packet each of 5 varieties (sufficient for 125 hills).....\$0.40
1 Pound each of 5 varieties (sufficient for 500 hills).....1.50
2 Pounds each of 5 varieties (sufficient for 1,000 hills).....2.75



Buchanan's Large Adam's

BUCHANAN'S
SWEET CORN COLLECTIONS
Save Money—See This Page



Buchanan's Trucker's Favorite

SEND YOUR SEED ORDERS IN JANUARY OR FEBRUARY

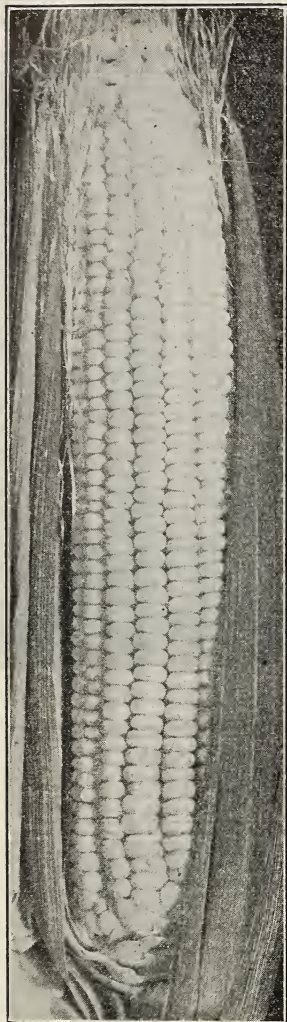
The sooner your order arrives the better the attention we can give to it.
(Page 15)



Buchanan's Early Surprise Roasting Ear Corn

ALL PRICES ON THIS PAGE POST PAID

All 10c Pkts. 3 for 25c



Early Surprise

141 EARLY SURPRISE. A wonderful roasting ear corn, especially bred for market gardeners' use; when planted at the same time as Large Adams it is ready for use just when the Large Adams is giving out; it is the best corn to use for succession plantings all through the season. In eating, this corn is slightly sweet, resembling sugar corn in taste. One of our market gardener customers produced three crops of roasting ears on the same ground this past season with this wonderful corn. Average height of stalk about 6 feet, the ear is thick, well grained to the end of the cob, rows of grain straight and uniform. When cut green for market the ears average from 12 to 14 inches in length, sell quicker and command a much better price than corns of the Adams type. It is very productive, producing two and often three good ears to the stalk. Being hardy, can be planted at same time as Adams Early, as it will stand much cold and wet weather.

Packet, 10c; $\frac{1}{4}$ lb., 15c; 1 lb., 25c; 2 lbs., 50c; 7 lbs., 90c; 14 lbs., \$1.60; 28 lbs. ($\frac{1}{2}$ bu.), \$2.75.

Kale or Borecole

CULTURE—One ounce to 200 feet of row; 4 pounds to the acre. Kale is extensively grown in the South during the fall, winter, and spring. Seed may be sown any time from August to October and again during February and March, broadcast or in drills, 18 inches apart.

187 DWARF CURLED SIBERIAN. Very hardy and vigorous growing variety of spreading habit, its foliage having a distinct bluish tinge. This is the most popular variety grown, especially in the South. Packet, 10c; 1 oz., 15c; $\frac{1}{4}$ lb., 25c; 1 lb., 75c.

188 DWARF CURLED SCOTCH. This variety is extensively grown in the South for shipment north. Leaves finely curled, long, and attractive. Pkt., 10c; 1 oz., 15c; $\frac{1}{4}$ lb., 30c; 1 lb., 75c.

189 TALL GREEN CURLED SCOTCH. The plant of this variety grows 3 to 4 feet high, bearing long plume-like light green leaves, which are deeply cut, also finely curled at edges. Packet, 10c; 1 oz., 15c; $\frac{1}{4}$ lb., 35c; 1 lb., 75c.

190 NORFOLK TALL SMOOTH-LEAF. Fine for greens in the late fall after frost. Packet, 10c; 1 oz., 15c; $\frac{1}{4}$ lb., 25c; 1 lb., 55c.

118 CHERVIL—CURLED. This very finely curled, double sort, is much superior to the plain variety, being early maturing, handsomer, and having fully as fine fragrance and flavor. Packet, 10c; 1 oz., 15c; $\frac{1}{4}$ lb., 50c.

117 CRESS—TRUE WATER CRESS. Sow in the spring along the edges of creeks or ponds. Only one sowing is necessary, as it increases rapidly. It not only makes a desirable and attractive plant for creeks or ponds, but purifies the water. Is also developing into quite a profitable industry for shipment to our larger markets. Packet, 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.25.

116 CURLED OR PEPPER GRASS (Upland).....Packet, 10c; oz., 15c; $\frac{1}{4}$ lb., .40

175 ENDIVE—LARGE GREEN CURLED.....Packet, 10c; oz., 20c; $\frac{1}{4}$ lb., .50

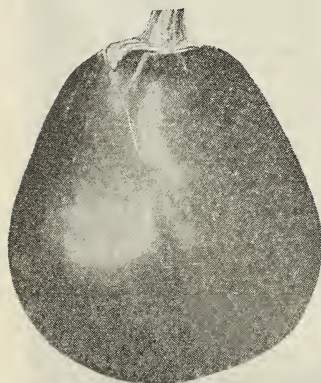
173 ENDIVE—GIANT FRINGED OR OYSTER....Packet, 10c; oz., 15c; $\frac{1}{4}$ lb., .50

178 KOHL-RABI—WHITE VIENNA. This is the best and earliest variety for table use.....Packet, 10c; oz., 20c; $\frac{1}{4}$ lb., .65

180 LEEK—AMERICAN FLAG—IMP. LONDON FLAG. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., .65

QUANTITY PRICES—On all seeds see yellow price list in center of book.

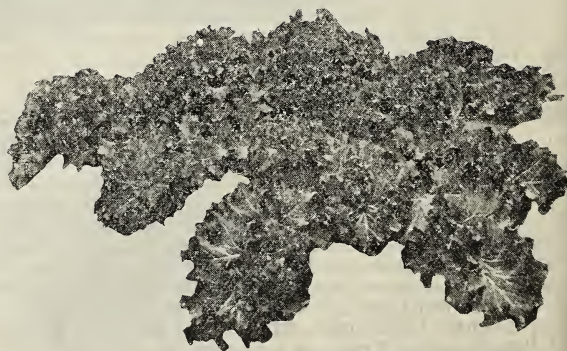
EGG PLANT



Black Beauty Egg Plant

183 BLACK BEAUTY. Is earlier than the New York Purple, not quite as large. The fruits are rich, dark purple, large and symmetrical, and of the finest quality. The fruits set most freely and develop quickly. Pkt. 10c; $\frac{1}{2}$ oz. 25c; 1 oz. 40c; $\frac{1}{4}$ lb. \$1.25; 1 lb. \$4.50, post paid.

182 NEW YORK IMPROVED PURPLE. A most popular variety; vigorous and productive. Fruits of large size, with smooth, glossy deep purple skin. A most popular variety. Pkt. 10c; $\frac{1}{2}$ oz. 25c; 1 oz. 40c; $\frac{1}{4}$ lb. \$1.25; 1 lb. \$4.50, post paid.



Dwarf Curled Siberian Kale



Buchanan's Lettuce Seed

CULTURE—For quality lettuce requires quick growth; that means rich soil, plenty of water and clean and thorough cultivation to have crisp and tender heads. Make your first plantings in boxes or hot-beds and harden by exposure; later plant outside and transplant 8 to 12 inches apart in 18-inch rows. Sowings may also be made where the plants are to grow, and thinned out. The curled varieties sown thickly make a beautiful border, the rows being thinned out by pulling for use as wanted. For a constant supply plant every three weeks—lettuce may be had all seasons of the year. For fall use, plant in July and August; plant the hardy kinds in September, protect with straw or litter, and they will head up in the spring; or transplant under canvas or glass to head up in the winter. An ounce will produce about 1,500 plants; 2 pounds will make plants enough for an acre.

Those marked (L.L.) are loose leaf varieties, and those marked (H) are heading varieties.

All Prices on this Page Post Paid

All 10c Pkts. 3 for 25c

	Pkt.	1 Oz.	1/4 Lb.	1 Lb.
196 BIG BOSTON (H). This marked variety is very popular for outdoor culture and is also in demand as a compact, large heading, forcing sort for cold frame. The plants are large, very hardy and vigorous. The leaves are broad, comparatively smooth but wavy at the edge, thin, very hard and crisp. In color they are bright light green, the heads slightly tinged with reddish brown. The inner leaves blanch to an attractive greenish white, tinged light yellow. It heads up under cold weather conditions better than any other variety, and is grown very extensively in the South for shipment North in the winter. ....	.10	.20	.50	1.75
205 WONDERFUL (H). Immense heads, solid as a cabbage; blanches beautifully; crisp, tender and free from bitterness. It produces immense heads, often 15 and 16 inches across, and weighing enormously. The interior is beautifully blanched, creamy-white, crisp, tender and delicious, being absolutely free from any trace of bitterness. It is a very large, robust growing variety, rooting deeply, resisting hot, dry weather, very slow to run to seed and a sure header under the most trying conditions. ....	.10	.25	.60	2.00
198 EARLY WHITE CABBAGE (H). A desirable variety for summer or fall, forming large, compact and beautiful heads. Color light green, stands heat and drouth remarkably well, very highly recommended. Undoubtedly the best summer variety; the heads will frequently weigh from 2 to 3 pounds each. ....	.10	.20	.50	1.75
195 WAYAHEAD LETTUCE (H). Shows a remarkable combination of earliness, firm heading character, a handsome and fine quality. Both in cold frames early in spring and in the open ground in spring, summer and early fall months it has proved to be not only the very earliest but surest heading of all early lettuces grown. ....	.10	.20	.50	1.75
204 EARLY CURLED SIMPSON (L.L.) A leading early, loose-heading variety of fairly large size; leaves broad, crumpled and well frilled at the edges; color light green; quality good. ....	.10	.20	.50	1.75
207 ICEBERG (H). A large, late, crisp cabbage-heading variety; heads very firm, hard and well blanched; leaves unusually broad and quite blistered and crumpled; borders finely frilled; color, medium green with faint brown tracing on the border; quality good. ....	.10	.20	.50	1.75
208 MIGNONETTE (H). A small, early, crisp and curled cabbage heading variety; plant compact, forming a hard, globular, well-balanced head; leaves broad, excessively blistered, crumpled and twisted; color, medium dark brown with a dark greenish tinge; quality good. ....	.10	.20	.50	1.75
202 GRAND RAPIDS (L.L.) This is probably the best of the loose-leaved varieties. It forms no head, but produces an abundant crop of pale green leaves, slightly but closely crumpled, which, even when old, retain their characteristic sweetness and brittle character. In this respect it excels many of the best heading varieties. Moreover, the flavor even of the outside leaves is fully equal to that of the heart leaves of any heading varieties. ....	.10	.25	.60	2.00
203 PARIS WHITE COS (L.L.) Has long, smooth, narrow, upright leaves, and blanches nicely when tied up; color, medium green; quality fine. ....	.10	.25	.60	2.00
197 CALIFORNIA CREAM BUTTER (H). Plant compact, heads large, globular and very firm; leaves broad, blistered and crumpled and very thick. ....	.10	.20	.50	1.75
201 MAMMOTH BLACK SEEDED BUTTER (H). (Tennisball). A very reliable, adaptable, sure heading sort. ....	.10	.20	.50	1.75

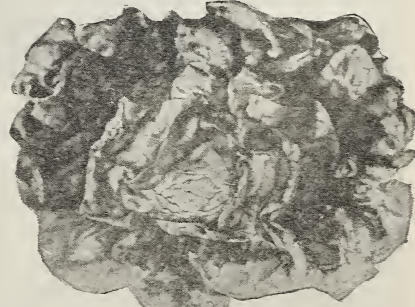


Big Boston

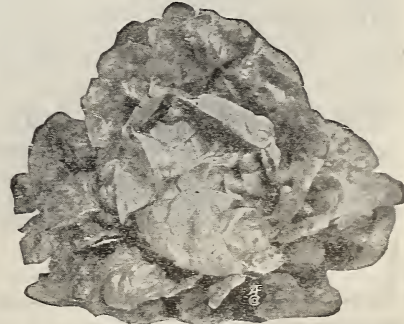
194. LETTUCE COLLECTION. 1 Pkt. each, 4 varieties shown by cuts—40c for 30c Postpaid.



Early White Cabbage



Grand Rapids



Iceberg



R.B. BUCHANAN SEED CO.



MEMPHIS, TENNESSEE.



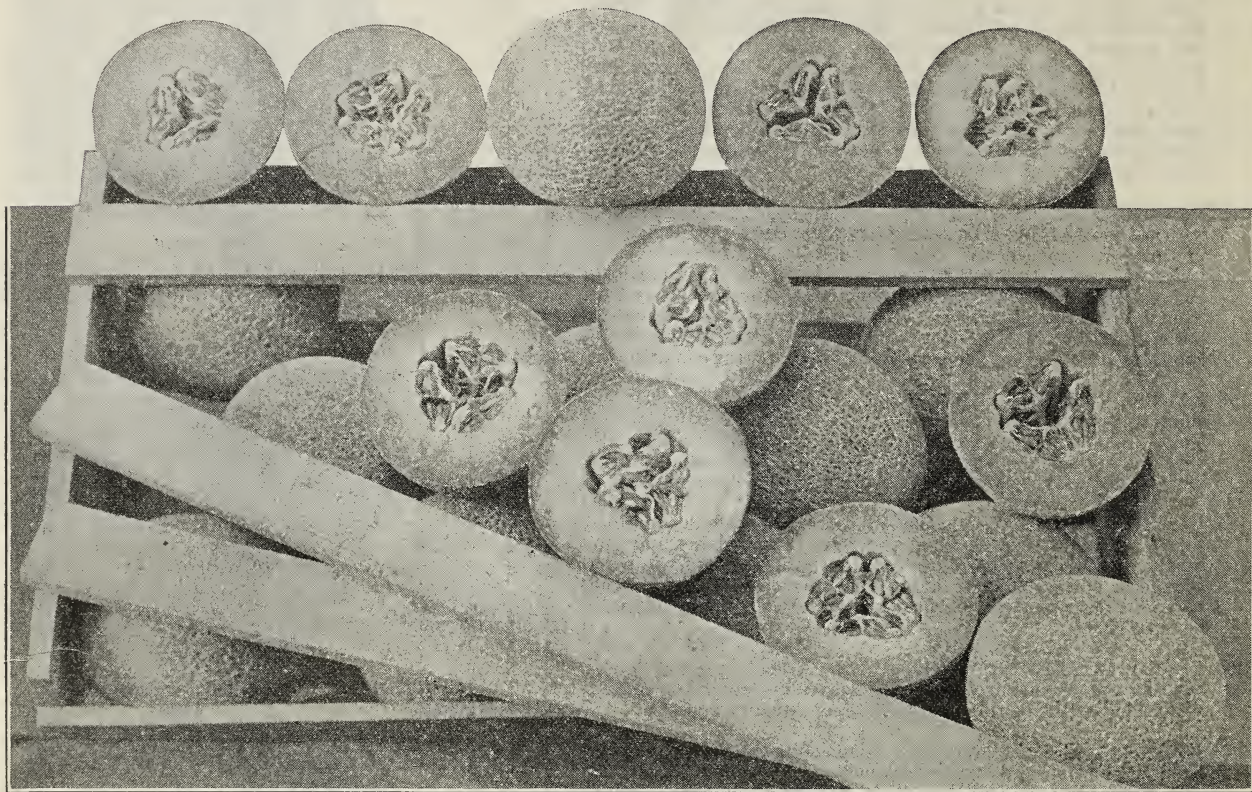
BUCK BRAND TESTED SEEDS

Buchanan's Muskmelon or Cantaloupe Seed

CULTURE—Melons thrive best in light, rich soil. Plant just as soon as the ground is warm, in hills 4 to 6 feet apart, according to the variety; in each hill apply a shovelful of well-rotted manure, or a handful of commercial fertilizer, well mixed with the soil. Plant about 12 seeds to each hill, covering with about 1 inch of fine soil firmly pressed down. When the plants are pretty well developed, keep the hoe and cultivator going. Gradually thin out to two plants to the hill. When the vines begin to run freely, stop cultivation, except after a heavy rain. A few hills for early use may be had by sowing in the dirt bands in the hot-bed, and when warm enough transplant to open grounds. Melon vines are subject to the same destructive insects and fungus foes as are cucumber and squash vines. Early and repeated spraying with Pyrox, Hall's Nicotine, Arsenate of Lead, Black Leaf 40, Bordeaux Mixture, or any other good spray material will help wonderfully. See page 83 for our assortment of insecticides. Use a packet to about 15 hills; 1 oz. to 60 hills; 2 to 3 lbs. to the acre.

All Prices on This Page Post Paid.

QUANTITY PRICES—On all seeds see yellow price list in center of book.



Buchanan's New Salmon-Fleshed Rocky Ford Cantaloupes

This new melon continues to enjoy the popularity for both the home garden and marketing that it did when we first introduced it three years ago.

209—BUCHANAN'S NEW ROCKY FORD (Salmon Fleshed)—It is more rounded, the rib less prominent and the outer surface of the fruit more densely covered with delicate lace-like netting than the green fleshed variety. The flesh is salmon (often called pink meat), very small seed cavity (see cut above), beautiful in appearance, and fine flavor. This melon has become a favorite with both my market gardeners and home gardeners. They sell readily on the market at much higher prices than the original green fleshed variety.

Pkt., 15c; 1 oz., 25c; 2 oz., 40c; 1/4 lb., 50c; 1 lb., \$1.75; 5 lbs., \$7.50; 10 lbs., \$12.50

210—Buchanan's Big Four Cantaloupe Collection

Buchanan's Osage, Salmon-Fleshed, Rocky Ford, Green-Fleshed; Buck Brand (Surprise), Yellow-Fleshed, Burrell's Gem, Pink-Fleshed.

Price, collection of 4 packets..... 30c

One ounce each 4 varieties..... 50c

Buchanan's 10c Packets Contain Twice as Much Seed as Many 5c Packets and Some of Them 3 and 4 Times as Much



R.B. BUCHANAN SEED CO. MEMPHIS, TENNESSEE.



BUCK BRAND TESTED SEEDS

Buchanan's Southern Grown Watermelon Seeds

CULTURE—One ounce to 40 hills; three or four pounds to the acre. Drop in hills six to eight feet apart, six to ten seed, one inch deep, and thin to three best plants. The proper time to plant melons in this section is generally about the middle of April.



Buchanan's Improved Watson Watermelon

240—BUCHANAN'S IMPROVED WATSON WATER MELON—This seed is saved from the most perfect melons, none weighing less than forty pounds each, and from many that weighed seventy pounds each. This seed is then graded and cleaned, and consequently will produce finer and larger melons than the regular stock. If you want something extra, order this special stock this season.

The Watson has rightfully been the most largely planted melon in the South for shipping purposes. It's a splendid melon for shipping, for nearby markets and for home use. It is an excellent combination all-purpose melon for you to grow.

There has been much complaint about the Watson "running out," and this is absolutely true of a large part of the Watson seed on the market. It is seed saved from the tail end of the shipping crop, seed from malformed, rotten-ended runts and culls. You can't afford to plant such seeds. Plant Buchanan's Seeds, the very finest you can buy.

In eating quality the Watson is away above the average and its tough, medium thick rind makes it ship equal to the old shipping sorts. Its dark green color and generally handsome appearance make it a seller at top of the market prices.

Price — Pkt. (1 oz.) 20c; 1/4 lb. 50c; 1/2 lb. 85c; 1 lb. \$1.50; 5 lbs. \$6.00, post paid.



A Field of Buchanan's Improved Watson Melons, Taken at Our Growing Station.

Every packet of Buchanan's Watermelon Seed contains 1 full oz., about 225 seed, more than 4 times the amount of many 5c pkts.

QUANTITY PRICES—On all seeds see yellow price list in center of book.



Buchanan's Muskmelon or Cantaloupe Seed

Salmon-Fleshed Varieties

All Prices on This Page Post Paid
All 10c Pkts., 3 for 25c



Buchanan's Burrell's Gem



Buchanan's Osage

BUCHANAN'S BIG 4 CANTALOUPE COLLECTION
SAVES YOU MONEY—SEE PAGE 19



Hearts of Gold

218—HEARTS OF GOLD (Imp. Hoodoo)—A splendid small, mid-season variety developed from the Hoodoo, being larger and more uniform; fruit round with tendency to heart-shape; distinctly ribbed and covered with a fine gray netting; flesh very thick, deep salmon color, and of high quality; a good shipping melon. Pkt., 10c; 1 oz., 15c; ¼ lb., 40c; 1 lb., \$1.15.

221—POLLOCK'S 10-25 (Salmon-Fleshed Eden Gem)—A salmon-tinted, rust-resisting cantaloupe that has become popular on the market because of its superior qualities. It is a heavy yielder and one of the best long distance shippers we know of. It is nearly as early as the Eden Gem and very prolific. The melons run very uniform in size. In shape it is a trifle longer than the Eden Gem, practically all run solid net, without any indication of the ribs. The netting is extremely heavy and very light colored when matured. The seed cavity is small. The flesh changes from a deep green near the rind to a rich salmon pink near the seed cavity; fine grained and very solid. The attractive color of the flesh and the unsurpassed flavor will appeal to the most highly cultivated tastes. Its fine appearance attracts the particular trade and commands the highest market price wherever introduced. Pkt., 10c; 1 oz., 20c; ¼ lb., 50c; 1 lb., \$1.50.

229—BUCHANAN'S OSAGE (Salmon-Fleshed)—An extremely high quality salmon-fleshed melon, a profitable variety to grow for market and a desirable melon for the home garden. An excellent main crop melon, medium to large size and does well on both heavy and sandy soils. The fruits are slightly oval, dark green, slightly ribbed and partly covered with shallow gray netting. The flesh is rich orange salmon, very thick, fine grained and highly flavored. It is a favorite variety among growers for the later markets. This is the melon shipped into Memphis by the carload from the west and southwest during August and September. Pkt., 10c; 1 oz., 15c; ¼ lb., 40c; 1 lb., \$1.50.

225—TIP TOP—In shape varies from round to slightly oblong; rather large in size and somewhat late in maturing. Skin pale green, distinctly ribbed and lightly netted; flesh deep rich salmon, sweet and spicy. Pkt., 10c; 1 oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

213—BURRELL'S GEM—A fine thick meated salmon-fleshed Rocky Ford cantaloupe. It has a thicker meat than any of the other cantaloupes and while it is classed as a pink-fleshed variety, the flesh or meat is a deep yellow or orange color. Each year this cantaloupe is steadily increasing in popularity. It is a fine shape and size for crating and because of its solidity it stands up well under long distance shipping. These two important qualities make it much in demand by shippers. The rind is thin and tough and covered with a heavy gray netting which is rather coarse as compared to other Rocky Ford cantaloupes. The seed cavity is exceptionally small and the flesh is fine grained, sweet and spicy. When first introduced, ribs on this cantaloupe were large in size but by careful breeding they have been reduced in size until now they are almost solid netted. A good melon for shipping or home use. Pkt., 10c; 1 oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

222—BUCK BRAND (Surprise)—The nearest thing to the old-fashioned muskmelon that you can get. Fruit round, slightly oblong, with a very thin, nearly smooth, gray-green skin; flesh thick and of deep salmon color. For flavor and size combined this is the king of all melons. Too large to be profitable for market—they often weigh 15 to 20 lbs.—they are ideal for home use; one melon is enough for a family. Continues bearing till cold weather and holds its splendid quality up to the very last. Pkt., 10c; 1 oz., 15c; ¼ lb., 50c; 1 lb., \$1.25.

224—HOODOO (Hearts of Gold)—A splendid, small, mid-season variety; fruit round, with tendency to heart-shape, densely covered with a fine gray netting and distinctly ribbed; flesh very thick, ripening thoroughly to the rind, with small seed cavity; of a rich orange color and highest quality. A fine shipping sort. Pkt., 10c; 1 oz., 15c; ¼ lb., 40c; 1 lb., 1.50.

214—BANANA—Shaped somewhat as name indicates; grows about 2½ feet long; flesh deep salmon colored and of only fair quality. Pkt. 10c; 1 oz., 15c; ½ lb., 40c; 1 lb., \$1.25.



Buchanan's Muskmelon or Cantaloupe Seed

Green-Fleshed Varieties

All Prices on This Page Post Paid.

All 10c Pkts., 3 for 25c

226—HONEY DEW MELON—This new melon is unlike the ordinary muskmelon or cantaloupe, both in appearance and flavor, the outer skin being smooth, hard and nearly white. The melons are large, round to oval in shape, extremely thick-meated and have a very small seed cavity; flesh is light green, very solid and of a rich honey-like flavor, luscious and juicy, much more so than any variety of muskmelons. Pkt., 10c; 1 oz., 20c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.25.

215—MONTREAL GREEN NUTMEG (Montreal Market)—Green fleshed. The largest of the Nutmeg variety. Skin is dark green in color; the ribs broad and prominent, flesh thick, luscious and melting. Pkt., 10c; 1 oz., 15c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.00.

216—TEXAS CANNONBALL—We have sold this splendid cantaloupe of Texas origin for many years. It is very desirable for home use and nearby markets in all parts of the South. Medium in maturity and size and of round shape. In flavor it is first-class, and its dense netting makes it almost sun and insect-proof, this being an immense advantage where insects are troublesome and melons liable to sunscald. It is almost all meat; seed cavity small. Very prolific and hardy. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.50.

228—EDEN GEM (Green Fleshed)—The illustration of Texas Cannonball shows the netting of our Eden Gem, a favorite with many for shipping, local market, and home garden. A round type melon entirely covered with fine netting and without ribs; flesh green, tinted yellow at center; quality excellent. Pkt., 10c; 1 oz., 15c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.50.

212—BUCHANAN'S MAMMOTH ROCKY FORD (Extra Select)—The general type of this melon is similar to the regular Rocky Ford, but they grow somewhat larger in size, making them a splendid variety for market. Pkt., 10c; 1 oz., 15c; $\frac{1}{4}$ lb., 45c; 1 lb., \$1.25.

219—ROCKY FORD—We have an especially fine, improved strain of this popular melon as now grown at Rocky Ford. The fruit is small, almost round, smooth, showing no ribs, and densely covered with a heavy gray netting; flesh thick and deep green, showing a faint lining of pink or gold at the center. Pkt., 10c; 1 oz., 15c; $\frac{1}{4}$ lb., 35c; 1 lb., \$1.00.

223—BALTIMORE OR ACME—A fine early, oblong, green-fleshed variety, of good size; noticeably ribbed and heavily netted. Pkt., 10c; 1 oz., 15c; $\frac{1}{4}$ lb., 35c; 1 lb., 95c.

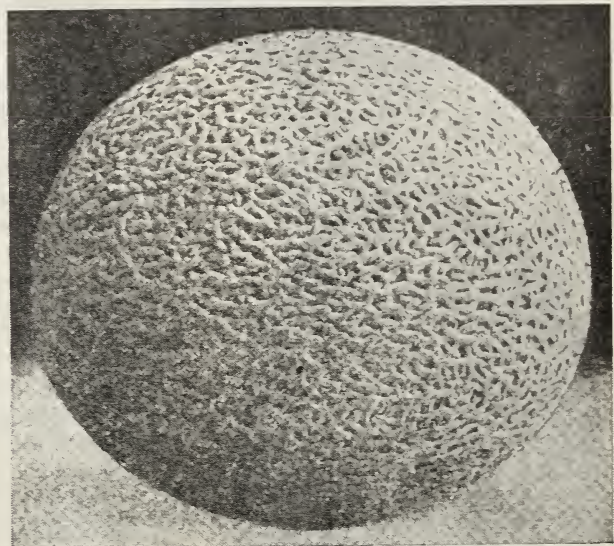
220—IMPROVED LARGE BALTIMORE—An improvement on Baltimore or Acme; of general form, but somewhat larger; green-fleshed. Pkt., 10c; 1 oz., 15c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.25.

217—EXTRA EARLY HACKENSACK—An early strain of the well known large Hackensack. Very popular with the market gardeners, as it is the first of the large melons to be ready for market. The fruit is of good size, round and heavily netted. Flesh green, very sweet and good flavor. Pkt., 10c; 1 oz., 15c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.25.

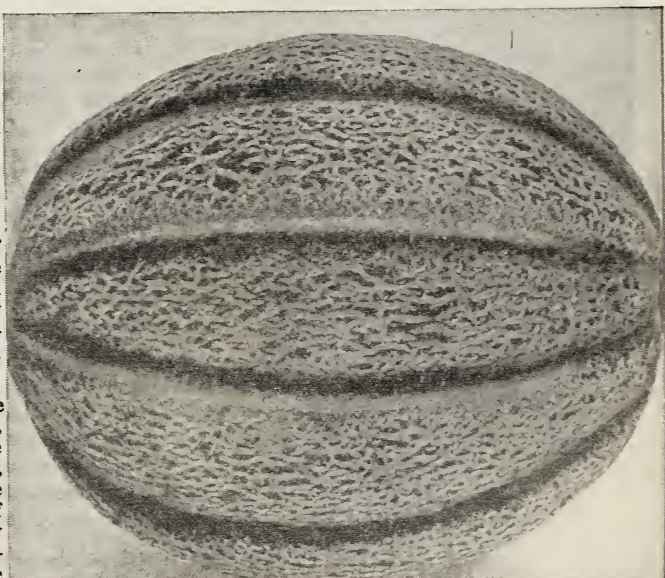
227—MIXED MUSKMELONS—Many of our customers have asked us to put out a mixture of Cantaloupes or Muskmelons, so we have included in this mixture seeds that will produce early, medium, late, green-fleshed, orange-fleshed varieties, thus producing a continuous table supply throughout the season from one small plot. This mixture is composed of our very best select strains and put together in a properly balanced mixture that will give ripe, luscious fruits throughout the season. This is an excellent assortment for the home garden. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.25.



Buck Brand Muskmelon



Texas Cannonball



Baltimore or Acme

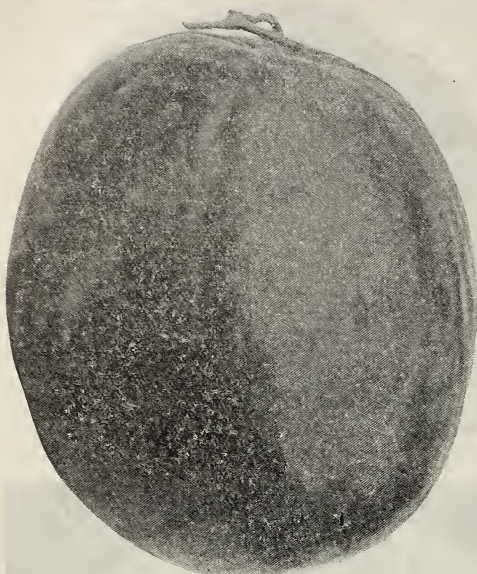


Buchanan's Southern Grown Watermelon Seeds

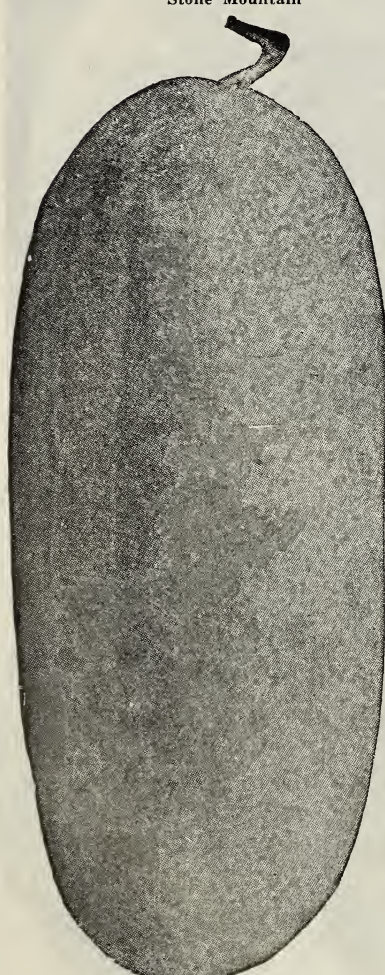
All Prices on This Page Are Postpaid

All 10c Pkts., 3 for 25c

Buchanan's New Stone Mountain Watermelon



Stone Mountain



Buchanan's Perfection

255—STONE MOUNTAIN—We take the greatest pleasure in offering this new melon, the finest of all, sweetest of all, largest of all, almost round or square-shaped, richest dark green, medium rind, richest scarlet flesh. It weighs 50 to 80 pounds on good melon land and because of its size, shape and color will outsell any other melons at about double their price. When eaten once it is not forgotten—the finest and sweetest flavor of them all. For home and nearby markets, it is the best there is—that's all. It is too large and fine for ordinary shipping, although it is being shipped in some localities. It has very few seeds, is solid through, almost all heart and the most delicious you have ever tasted. It sells for almost double any other melon, takes twice as many melons to make a pound of seed, is prolific and stands up under very trying conditions, making fine crops of late melons when others fail. Named for famous Stone Mountain, near Atlanta, the largest outcrop of granite in the world. Here the huge Confederate Memorial, to be the greatest piece of art in the world, is being carved. Pkt. (1 oz.), 20c; $\frac{1}{4}$ lb., 50c; $\frac{1}{2}$ lb., 85c; 1 lb., \$1.50; 5 lbs., \$7.00.

237—BUCHANAN'S GEORGIA RATTLESNAKE—A long, fairly large melon with a light green color, irregularly mottled with dark green stripes. An excellent shipping kind with unexcelled eating qualities, the Rattlesnake is a standard variety. The seed are white with dark tips, and the weight is 30 pounds. Its appearance is so striking because of the contrast between the light and dark mottlings that it is always remembered; perhaps this has helped its popularity. Edible in 92 days. Size, 18x12 inches. Pkt. (1 oz.), 10c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 60c; 1 lb., 90c; 5 lbs., \$3.75.

231—BUCHANAN'S BLACK DIAMOND—A large, almost round melon with very dark green rind. It is medium late; the seed are black, and it is not widely used. The average weight is perhaps 20 pounds. The outside appearance is very attractive. Edible in 90 days. Size, 12x10 inches. Pkt. (1 oz.), 10c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 50c; 1 lb., 90c; 5 lbs., \$4.00.

236—BUCHANAN'S COLE'S EARLY—It is almost round, with black seed, while the rind is dark green, irregularly striped with a lighter shade. The flesh is very firm and delicious eating; it is not adapted for shipping, being a home market kind. The Cole's Early is a standard melon and will mature very early, so it is more widely used in sections with a shorter growing season than others. The melons weigh about 20 lbs. Edible in 80 days. Size, 12x11 inches. Pkt. (1 oz.), 10c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 50c; 1 lb., 90c; 5 lbs., \$4.00.

230—BUCHANAN'S ALABAMA SWEET—The melons are long with a deep green rind, irregularly striped with a darker shade of green. The seeds are white with some slightly mottled and with dark tips. It is an excellent shipping variety with a very tough, elastic rind. Average weight of the melons is about 30 pounds. A widely used, very desirable kind. Edible in 90 days. Size, 16x10 inches. Pkt. (1 oz.), 10c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 60c; 1 lb., 90c; 5 lbs., \$4.00.

232—BUCHANAN'S FLORIDA FAVORITE—The seed are white, the rind is a light green with mottled stripes of dark green. The shape is long and the melons average 30 pounds in weight. It is not adapted for long distance shipping, but it is excellent for the home market trade. The edible qualities are excellent and this kind is quite popular. Edible in 87 days. Size 16x10 inches. Pkt. (1 oz.), 10c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 50c; 1 lb., 90c; 5 lbs., \$4.00.

QUANTITY PRICES—On all seeds see yellow price list in center of book.

Buchanan's Southern Grown Watermelon Seeds

All Prices on This Page Are Post Paid
 All 10c Pkts., 3 for 25c

Buchanan's Ribault Watermelon

252—RIBAULT—Is a new watermelon, long and thick in shape, measuring from 24 to 30 inches long by 14 to 18 inches in diameter. The rind is dark green indistinctly striped with mingled lighter green; the young melons will show distinct stripes, but as they develop and ripen the stripes practically fade away leaving a glossy green color; the rind is medium thick, just thick enough to insure long keeping and rough usage during shipping, and is woven together like leather, and is hard to pull apart or break even after it is fully ripe. The meat is red and sweet, free from hard centers, grows remarkably large, and is very prolific. It is a good shipper, and will arrive in first class condition at the most distant markets. The seeds are large, white with black rings or tips, with a very small seed cavity, requiring 7 melons to produce a pound of seed; ripens in 95 days. Not unusual to grow Ribaults, under normal conditions, weighing 70 to 80 pounds. Pkt. (1 oz.), 20c $\frac{1}{4}$ lb., 50c; $\frac{1}{2}$ lb., 85c; 1 lb., \$1.50; 5 lbs., \$6.00, post paid.

242—BUCHANAN'S GOLDEN HEART—The best of the yellow fleshed melons, it is oblong in shape; the seeds are white with black tips, and the average weight is 20 pounds. The rind is dark green with irregular stripes of a darker green. It is a standard variety and is one of the best melons for eating. The flesh is a sparkling golden color, very attractive and fully as delicious as its appearance indicates. Edible in 90 days. Size 14x12 inches. Pkt. (1 oz.), 10c; $\frac{1}{4}$ lb., 40c; $\frac{1}{2}$ lb., 65c; 1 lb., \$1.00; 5 lbs., \$4.00.

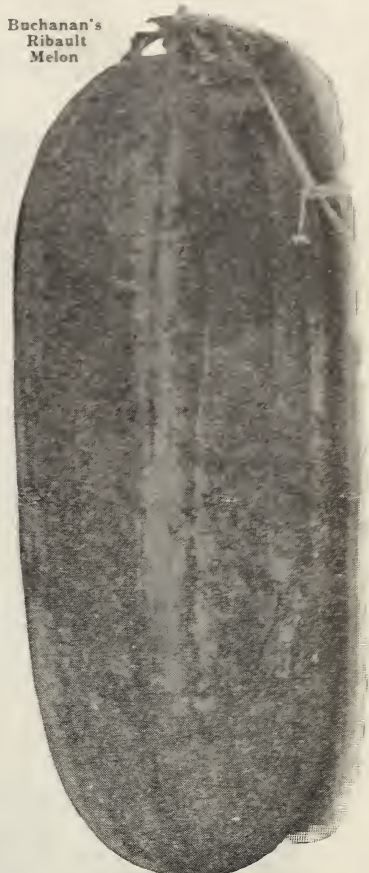
235—BUCHANAN'S HALBERT HONEY—As fine a medium early home market melon as we grow, the Halbert Honey enjoys wide use and is second only to Kleckley's Sweet in popularity for home gardens and nearby markets. The seed are white with black tips; the shape is long and cylindrical, and the rind is a deep green with fine veins. The melons weigh 35 pounds. Quite similar to Kleckley's Sweet, the Halbert Honey is as handsome a melon as could be desired. Edible in 87 days. Size, 20x12 inches. Pkt. (1 oz.), 10c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 60c; 1 lb., 90c; 5 lbs., \$4.00.

239—BUCHANAN'S IRISH GRAY—A long melon, rather large in size and is becoming more popular as a shipping kind. The rind is light green in color; the seed are white and its eating qualities very fine. The average weight is 35 pounds, and it is a light seeding variety. We especially recommend the Irish Gray for shipping, as the flesh is not stringy or coarse, and its ability to stand shipping is fully equal to the Watson. Edible in 90 days. Size, 18x11 inches. Pkt. (1 oz.), 10c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 60c; 1 lb., 90c; 5 lbs., \$4.00.

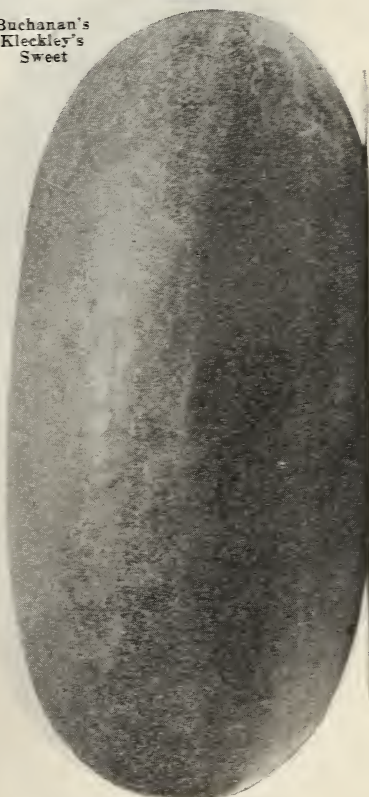
233—BUCHANAN'S IMPROVED KLECKLEY'S SWEET—Recently introduced, the seed are snow white, with no trace of color and are slightly larger than the regular Kleckley Sweet. The melons are cylindrical, very dark green with faint creases or ridges running lengthwise. The size is somewhat larger than Kleckley Sweet. The edible qualities are splendid and it no doubt has a large future. The rind perhaps is harder than Kleckley Sweet, making it a shipper for moderate distances. Edible in 87 days. Size, 22x10 inches. Pkt. (1 oz.), 10c; $\frac{1}{4}$ lb., 40c; $\frac{1}{2}$ lb., 75c; 1 lb., \$1.15; 5 lbs., \$5.00.

253—BUCHANAN'S KLECKLEY'S SWEET—It is sometimes listed as Monte Cristo. This variety is more widely used for the home garden and market than any other kind; it is long and symmetrical in shape, often reaching 22 inches in length and 50 pounds in weight. The skin is a dark green, the flesh is bright red, very tender and melting. It is medium early in maturity; the seed are white and it is not adapted for shipping long distances. Edible in 87 days. Size, 20x10 inches. Pkt. (1 oz.), 10c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 60c; 1 lb., 90c; 5 lbs., \$4.00.

Buchanan's
Ribault
Melon



Buchanan's
Kleckley's
Sweet



Every Packet of Buchanan's Watermelon Seed contains 1 full ounce, about 225 seed: more than four times the amount of many 5c packets.



Wonder

Melon

Buchanan's Southern Grown Watermelon Seeds

All Prices on This Page Post Paid

All 10c Pkts., 3 for 25c

Buchanan's Wondermelon

254—WONDERMELON—Is comparatively a new variety, but has become one of the new favorites. No watermelon has received more praise in the short time of its existence, and justly so, for it is one of the finest flavored melons raised. It is also very productive, grows great quantities of big, fine, dark glossy green melons. The rind is rather thin but reasonably tough to insure good carrying for short hauls, and any market that receives this melon will sell to good advantage. Grows long and thick, seeds white and broad, flesh deep red, juicy and sweet. Time for ripening, 85 days. Six melons produce a pound of seed. Pkt. (1 oz.), 20c; $\frac{1}{4}$ lb., 50c; $\frac{1}{2}$ lb., 85c; 1 lb., \$1.50; 5 lbs., \$7.00.

241—BUCHANAN'S PERFECTION—A new variety, or comparatively so, of unusual merit. The seed are white with a dark rim and edge. The rind is very hard and an intense dark green, the shape is long, the fruits being thicker at the stem than at the blossom end—in other words the fruit tapers toward the blossom end. It is certainly handsome in appearance, both the exterior and when cut. Edible in 87 days. Size 22x10 inches. Weight 35 pounds. Pkt. (1 oz.), 20c; $\frac{1}{4}$ lb., 50c; $\frac{1}{2}$ lb., 75c; 1 lb., \$1.25; 5 lbs., \$5.00.

234—BUCHANAN'S SWEETHEART—A rather late variety, producing extremely large melons of excellent quality. The shape is oblong; the rind is very light green with fine veining. It has a very tough elastic rind, making it an excellent shipping kind. The seed are black, and the fruits weigh 25 pounds. Edible in 88 days. Size 13x10 inches. Pkt. (1 oz.), 10c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 60c; 1 lb., 90c; 5 lbs., \$4.00.

247—BUCHANAN'S THURMOND GRAY—Similar to Irish Gray, except the fruits are larger and the seed brown. It is doubtful if it has any advantage over the Irish Gray. But the quality of both is excellent, the flesh being crisp and tender, while the rind is almost like horn in hardness. Edible in 90 days. Size 20x10 inches. Pkt. (1 oz.), 10c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 60c; 1 lb., 90c; 5 lbs., \$4.00.

238—BUCHANAN'S TOM WATSON—The most popular of the shipping melons, the Watson has a very tough elastic rind; the seed are brown with a sprinkling of white. The rind is deep green, indistinctly veined; the shape is long and cylindrical and the melons often attain a weight of 40 pounds. The length averages 18 to 24 inches by 10 inches in diameter. The outside appearance is similar to Kleckley's Sweet; the Watson is rather late in maturing. It is not recommended for garden use as the flesh is a little coarse and very firm. Edible in 92 days. Size 20x12 inches. Pkt. (1 oz.), 10c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 50c; 1 lb., 90c; 5 lbs., \$4.00.

Three Ounce Melon Collection	Six Ounce Melon Collection	Three $\frac{1}{4}$ Lb. Melon Collection
Your Selection.	Your Selection.	Your Selection.
Any 3 1-oz. packets separate varieties your selection on pages 22, 23 or 24.	Any 6 1-oz. packets separate varieties your selection on pages 22, 23 or 24.	Any 3 $\frac{1}{4}$ -lb. packets separate varieties your selection on pages 22, 23 or 24.
MAILED FOR 40c	MAILED FOR 65c	MAILED FOR \$1.00

Buchanan's Tom Watson

Every Packet of Buchanan's Watermelon Seed Contains 1 Full Ounce, about 225 Seed—More than Four Times the Amount of Many 5c Packets.



Buchanan's Okra and Mustard

All Prices on this Page Post Paid
All 10c Pkts. 3 for 25c.

Okra or Gumbo

Our Okra Packets contain one full ounce.

CULTURE—One ounce sows 50 feet of drill. Extensively grown in the South, and should be better known, as it is a delicious vegetable. The young green pods make a healthful and delicious soup and, when pickled, are a fine salad. Sow after the weather has become warm in rows 3 feet apart, 2 feet apart in the rows. Will succeed in any good garden soil.

	Pkt.	1/4 Lb.	1/2 Lb.	1 Lb.
249 WHITE VELVET. Bears round, white, smooth pods, unlike other varieties, which are ridged or square-edged. Pods are large, and are produced in great abundance. The market gardeners' favorite.....	.10	.25	.45	.65
250 EARLY DWARF GREEN. Of dwarf growth but immensely productive. The pods are tender, of best quality, and are borne throughout the season.....	.10	.25	.45	.65
248 TALL OR LONG GREEN. Pods long, slender, dark green, and ridged; very tender and is a most popular green variety.....	.10	.25	.45	.65
251 PERKINS' MAMMOTH LONG POD. This variety is about three feet high, very early and productive. Pods deep green, very long, slender, slightly corrugated, very tender and of good quality.....	.10	.25	.45	.65

OKRA SEED

5 lbs. Either variety Okra.....	\$3.00
10 lbs. Either variety Okra.....	5.00



White Velvet Okra

Mustard

Our Mustard Packets contain one full ounce.

CULTURE—One ounce will sow about 50 feet of drill. For early salad sow in February, and for general crop, at intervals through the spring, in rows 6 inches apart, and rather thick in rows.

243 SOUTHERN GIANT CURLED. Plant vigorous and hardy, of upright, spreading growth; leaves large, light green-tinged yellow, much crumpled and frilled at the edges. The popular market variety in the South. Seed small, dark reddish-brown.....	.10	.25	.40	.50
244 ELEPHANT EAR (Smooth Leaf). This is a splendid variety for market gardeners and amateurs, and will surely give satisfaction wherever planted. The leaves are smooth, very large, and tender and succulent. Makes a large plant.....	.10	.25	.45	.75
245 NEW CHINESE. A very vigorous sort; leaves light green, much crumpled, about twice the size of White, and of sweetly pungent flavor.....	.10	.25	.45	.75
246 WHITE MUSTARD. Will stand the winter and adapted for fall planting; used for salad.....	.10	.25	.45	.75

MUSTARD SEED

5 lbs. Any variety Mustard.....	\$2.25
10 lbs. Any variety Mustard.....	4.25

264—BUCHANAN'S OKRA COLLECTION
SAVES YOU MONEY
Coll. 4 1-oz. pkts, 4 Varieties, 35c



Southern Giant Curled Mustard

Buchanan's 10c Packets Contain Twice as Much Seed as Many 5c Packets and Some of Them 3 and 4 Times as Much

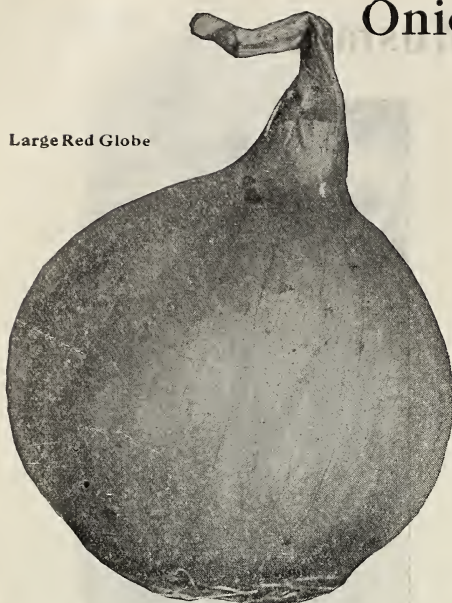


Onion Seed—Sets—Parsley—Parsnips

All Prices on this Page Post Paid

All 10c Pkts. 3 for 25c

Large Red Globe

273 Buchanan's
Onion Collections

SAVE MONEY

LARGE WHITE GLOBE - YELLOW GLOBE DANVERS
LARGE RED GLOBE

Price Coll. of 3 Pkts. 25c - 1 Oz. Each of 3 Var. \$1.00

Onion Seed

CULTURE—Sow in rich, sandy soil, in drills 1 foot apart, as soon as the ground can be worked in spring—at the rate of 4 to 5 lbs. to the acre. Thin to 3 or 4 inches, using the rake and hoe frequently to keep down the weeds. The finest Onions are produced by the new method of sowing the seed in hotbed in February and March and transplanting the seedlings to the open ground.

Onion Seed extremely scarce and high. We advise buying Onion Plants.—See Page 4.

- 256 **WHITE LARGE PORTUGAL.** The standard large flat sort of the New York markets.
Pkt., 10c; $\frac{1}{2}$ Oz., 25c; Oz., 45c; $\frac{1}{4}$ Lb., \$1.00; Lb., \$3.50.
- 257 **LARGE WHITE GLOBE (Southport Strain).** One of the best; produces fine crops of silvery white, globe-shaped Onions of very mild flavor.
Pkt., 10c; $\frac{1}{2}$ Oz., 25c; Oz., 45c; $\frac{1}{4}$ Lb., \$1.00; Lb., \$3.50.
- 258 **YELLOW GLOBE DANVERS.** A well known standard variety of uniform shape and excellent quality, bright yellow color.
Pkt., 10c; $\frac{1}{2}$ Oz., 20c; Oz., 35c; $\frac{1}{4}$ Lb., 90c; Lb., \$3.00.
- 259 **IMPROVED RED BERMUDA.** A large, quick growing red variety; very tender and juicy; a large yielder and a good keeper.
Pkt., 10c; $\frac{1}{2}$ Oz., 20c; Oz., 35c; $\frac{1}{4}$ Lb., \$1.00; Lb., \$3.50.
- 260 **LARGE RED WEATHERSFIELD.** It is of a beautiful form, skin deep purplish red; flesh purplish white and of a very fine grain.
Pkt., 10c; $\frac{1}{2}$ Oz., 15c; Oz., 25c; $\frac{1}{4}$ Lb., 75c; Lb., \$2.50.
- 261 **LARGE RED GLOBE (Southport Strain).** The finest large red sort.
Pkt., 10c; $\frac{1}{2}$ Oz., 20c; Oz., 35c; $\frac{1}{4}$ Lb., 90c; Lb., \$2.75.
- 262 **WHITE BERMUDA WAX.** The most attractive onion in the world. It is an absolutely pure white Bermuda Onion with a most beautiful waxy appearance that makes it sell on sight in the retail markets.
Pkt., 10c; $\frac{1}{2}$ Oz., 30c; 1 Oz., 50c; $\frac{1}{4}$ Lb., \$1.50; Lb., \$4.50.
- 263 **MAMMOTH YELLOW SPANISH OR PRIZETAKER.** A very handsome late or main crop onion of the largest size.
Pkt., 10c; $\frac{1}{2}$ Oz., 20c; Oz., 35c; $\frac{1}{4}$ Lb., 75c; Lb., \$2.50.

Onion Sets

CULTURE. Set in early spring as frost does not damage, in rows 15 in. apart, 6 in. apart in rows. 40 to 50 lbs. to acre.

- 267 **White Silverskin**.....1 Qt. 30c; 4 Qts. \$.85; Pk. \$1.50
268 **Red Weathersfield**.....1 Qt. 25c; 4 Qts. .75; Pk. 1.40
266 **Yellow Danvers**.....1 Qt. 25c; 4 Qts. .75; Pk. 1.40
272 **Winter Top Shallot**.....1 Qt. 25c; 4 Qts. .75; Pk. 1.40
269 **Yellow Potato**.....1 Qt. 50c; 4 Qts. 1.50; Pk. 3.00
270 **White Multiplier**.....1 Qt. 40c; 4 Qts. 1.40; Pk. 2.75

We are in the market for Yellow Potato and White Multiplier Onion Sets. If you have any to offer, send us sample.

See Page 4 for Onion Plants—Cheaper and better than Sets.

Parsley

274 **CHAMPION MOSS CURLED.** A choice selected strain with beautifully crimped and curled bright green leaves.

Pkt. 10c; Oz. 15c; $\frac{1}{4}$ Lb. 45c; Lb. \$1.25

275 **DOUBLE CURLED.** Compact, very curly and finely cut; bright green color.

Pkt. 10c; Oz. 20c; $\frac{1}{4}$ Lb. 45c; Lb. \$1.25

276 **PLAIN OR SINGLE.** Leaves are flat, deeply cut, and dark green.

Pkt. 10c; Oz. 15c; $\frac{1}{4}$ Lb. 45c; Lb. \$1.00

Parsnips

280 **SUGAR OR HOLLOW CROWN.** The best for table use; a vegetable of merit, easily raised and of great productiveness.

Pkt. 10c; Oz. 15c; $\frac{1}{4}$ Lb. 30c; Lb. \$1.00

282 **LONG SMOOTH.** Roots very long, sugary and of most excellent flavor; very hardy.

Pkt. 10c; Oz. 15c; $\frac{1}{4}$ Lb. 30c; Lb. \$1.00

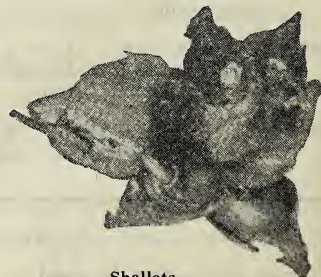
QUANTITY PRICES—On all seeds see yellow price list in center of book.



Yellow Potato



White Multiplying



Shallots

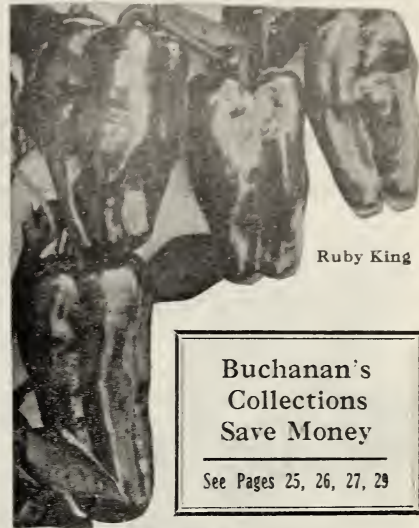


Buchanan's Sweet and Hot Peppers

CULTURE—Peppers are more tender than most vegetables. The seed does not germinate freely in a temperature of less than 65 degrees and should either be started in hot beds or boxes in the house. If sown outdoors, planting should be deferred until the ground becomes warm in the spring. When the plants are about three inches high and all danger from frost is past, they can be set in the open ground in rows about two and one-half feet apart and two feet apart in the row. One ounce of pepper seed will usually make about 1000 good strong plants if properly handled. To be sure of a sufficient quantity of plants for an acre, $\frac{1}{2}$ pound of seed is generally sown.

All Prices on this Page Post Paid
All 10c Pkts. 3 for 25c

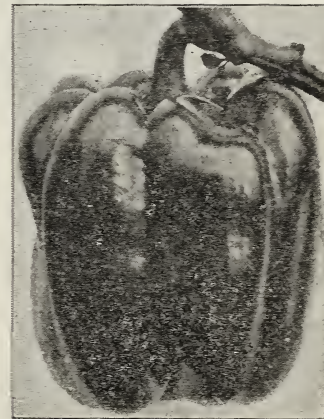
- 301 ROYAL KING (Sweet).** In this variety you have the utmost that can be obtained in the way of a Bell type pepper. It is a very attractive pepper, an excellent shipper and commands the top prices in the market. I highly recommend this variety as an all-round pepper for the home garden, nearby markets or shipping. It grows to a large size, is very mild, and when ripe, is of a bright scarlet color. The flesh is thick, meaty and fine flavored. Plants grow 2 to 2½ feet high, vigorous and productive, bearing an enormous yield throughout the season. It is especially desirable for shipping due to its regularity of size and shape which makes it an exceptionally desirable variety for good packing and fine appearance on arrival in the markets.
Price.....Pkt. 10c; $\frac{1}{2}$ oz. 25c; oz. 45c; 2 oz. 75; $\frac{1}{4}$ lb. \$1.35; lb. \$4.50
- 303 CHINESE GIANT (Sweet).** The Chinese Giant is one of the largest and finest peppers in cultivation. The plant is about two feet high, of strong, vigorous growth, stocky and erect in habit, very productive, and ripens its fruits earlier than the Ruby King. The compact plants are very prolific, setting 3 to 4 extra fruits at the base quite early in the season, which ripens while a second crop is setting on the branches. The fruits are quite square, averaging 4 inches in diameter, and is a bright, glossy scarlet color when ripe. The flesh is usually thick and very mild, having none of the pungency of most of the older varieties. It is a fine variety for the home garden and for the market gardener. The immense size of the fruit and its brilliant color render it very attractive and of ready sale in the market.
Price.....Pkt. 10c; $\frac{1}{2}$ oz. 30c; oz. 50c; 2 oz. 90c; $\frac{1}{4}$ lb. \$1.65; lb. \$6.50.
- 307 CRIMSON GIANT (Sweet).** An early maturing large size sweet pepper, similar in shape to Chinese Giant, but much longer, and flesh thicker. It is exceptionally mild and very prolific; earlier than the Chinese Giant.
Price.....Pkt. 10c; $\frac{1}{2}$ oz. 25c; oz. 40c; 2 oz. 75c; $\frac{1}{4}$ lb. \$1.45; lb. \$5.00.
- 302 BELL OR BULL NOSE (Sweet).** Do not confuse this with the Chinese Giant. It is similar in shape but scarcely more than half as large. It is much more prolific and a very desirable variety for the home garden.
Price.....Pkt. 10c; $\frac{1}{2}$ oz. 20c; oz. 35c; 2 oz. 60c; $\frac{1}{4}$ lb. 90c; lb. \$3.50.
- 305 RUBY KING (Sweet).** An old well-known standard variety of excellent quality. Fruits frequently run 4½ inches in length, having usually three lobes. A deep rich green color when young, ripening to a bright rich crimson at maturity. The flesh is thick and of mild flavor.
Price.....Pkt. 10c; $\frac{1}{2}$ oz. 20c; oz. 35c; 2 oz. 65c; $\frac{1}{4}$ lb. \$1.00; lb. \$3.50.
- 304 LONG RED CAYENNE.** A well-known hot pepper; larger than Red Chili but just as hot and pungent. It is medium early sort having a slender, twisted and pointed pod about four inches long. A bright red color when ripe.
Price.....Pkt. 10c; $\frac{1}{2}$ oz. 25c; oz. 40c; 2 oz. 75c; $\frac{1}{4}$ lb. \$1.25; lb. \$3.50.
- 311 EARLY NEAPOLITAN (Sweet).** Earlier than any large, sweet pepper, and a wonderful bearer; single plants often yield 30 to 40 peppers, and continue loaded with fruits right up to frost. Bright red, thick-meated, very sweet and mild; 4 inches long by 5 to 6 inches round; keeps a long time.
Price.....Pkt. 10c; $\frac{1}{2}$ oz. 20c; oz. 35c; 2 oz. 65c; $\frac{1}{4}$ lb. \$1.25; lb. \$4.00.
- 312 PIMENTO (Sweet).** The mildest flavored of all peppers. This variety should be planted in every garden where a delicious sweet flavored pepper is wanted both for salad and for stuffing. It has attained wonderful popularity in the short time it has been known. A very productive sort, being an entirely different type than the other well-known peppers. Its thickness of flesh permits removing of skin, an essential of great value not easily accomplished with other sorts. It is very popular with canners, having qualities superior to any other pepper, and can be utilized in many more ways.
Price.....Pkt. 10c; $\frac{1}{2}$ oz. 20c; oz. 35c; 2 oz. 55c; $\frac{1}{4}$ lb. 90c; lb. \$3.50.
- 308 RED CHILI PEPPER.** A very hot, pungent, bright red pepper used for flavoring. Dwarf growing, with slender, pointed fruits about one inch long, which are about $\frac{1}{2}$ inch thick at the base and taper to a sharp point.
Price.....Pkt. 10c; $\frac{1}{2}$ oz. 25c; oz. 40c; 2 oz. 75c; $\frac{1}{4}$ lb. \$1.25; lb. \$4.00.
- 306 TABASCO (Hot).** Very pungent and strong.
Price.....Pkt. 10c; $\frac{1}{2}$ oz. 30c; oz. 50c; 2 oz. 90c; $\frac{1}{4}$ lb. \$1.50; lb. \$5.00.
- 309 MIXED RED HOT.** A mixture of all varieties of Hot Pepper.
Price.....Pkt. 10c; $\frac{1}{2}$ oz. 25c; oz. 35c; 2 oz. 50c; $\frac{1}{4}$ lb. 90c.
- 310 MIXED SWEET MANGOES.** Mixed varieties of Sweet Pepper for Mangoes.
Price.....Pkt. 10c; $\frac{1}{2}$ oz. 30c; oz. 50c; 2 oz. 85c; $\frac{1}{4}$ lb. \$1.60.



Ruby King

Buchanan's
Collections
Save Money

See Pages 25, 26, 27, 29



Bell or Bull Nose



Royal King

Buchanan's 10c Packets Contain Twice as Much Seed as Many 5c Packets and Some of Them 3 and 4 Times as Much



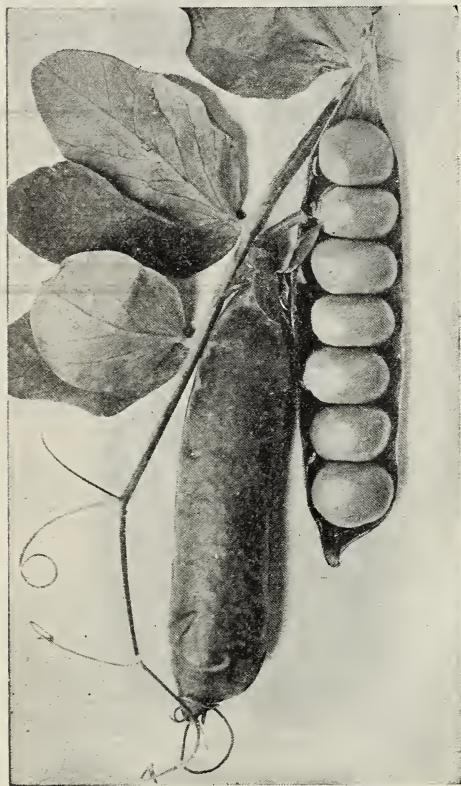
Buchanan's Garden Peas

CULTURE—Sow as early as the ground can be worked and again every ten days for succession. Peas may be sown in this vicinity as late as the 20th of August. Medium and late Peas must be planted early; Extra-Earlies may be planted again in August. Sow in single or double rows from 4 to 6 feet apart, according to the different heights, about an inch apart in the row (except such sorts as we note to sow thinly) and 4 inches deep. In this climate, the First and Best Pea, if planted from the 10th to the last of August, will produce a fair crop for fall picking, when Peas will be most acceptable. Hoe often and keep the ground clean and fine.

Those marked with a star (*) are wrinkled marrows, and, unless otherwise stated, should be sown thicker than the round Peas, and not until the ground has become warm, as they are more liable to rot. They are the finest flavored of all Peas. Those marked (†) are large-podded sorts.

Buchanan's Peas.

Packets contain 3 full ounces, about 300 peas;
½ lb. about half pint; 1 lb. about one pint; 2 lbs. about one quart.



Laxtonian Peas
Finest Market Pea Grown

283 LAXTONIAN. This is the largest podded of all the early varieties. Although recently introduced in the South, it has already become exceedingly well known as being the finest, largest and most luscious of all large peas. The dark green pods are similar to Gradus in shape and splendid quality, are as large in size and often mature a little earlier. Vines are vigorous and productive, averaging 15 to 18 inches high. Pkt. 10c; ½ lb. 20c; 1 lb. 40c; 2 lb. 75c.

Any One Variety

Peas Listed on Pages 28 and 29

5 Lbs. \$1.50

10 Lbs. \$2.75

Postpaid

All Prices on this Page Post Paid

All 10c Pkts. 3 for 25c

	Pkt.	½ Lb.	1 Lb.	2 Lb.
Extra Early and Early Varieties				
284 ALASKA. This is the earliest of all small podded peas. Universally used for first planting; the vines are a distinctive light green, and from 2 to 3 feet high. Pods are dark green, about 2½ inches long, straight and well filled with small, smooth blue-green peas of excellent flavor. This pea is a heavy yielder and a favorite among market gardeners.....	.10	.20	.35	.65
289 *ALDERMAN. It is of the finest large podded summer varieties. The vine grows 5 feet in height, and is of a dark green coloring, as are also the large pods. Pods frequently measure 6 inches in length and contain from eight to nine large peas of superior flavor.....	.10	.20	.35	.65
288 AMEER, OR LARGE ALASKA. A fine variety which is rapidly becoming more popular with those who want a larger podding pea of the Alaska type. The vine is 3 feet high, more vigorous and of the same color as the Alaska. Pods are one-third larger and filled with 5 to 7 large round peas of fine flavor. The crop ripens about a week later than the Alaska.....	.10	.20	.35	.65
287 *AMERICAN WONDER. The earliest of the dwarf, wrinkled sorts. The vines are 9 to 12 inches high and produce a good crop of well filled pods, nearly 3 inches long, containing 5 to 7 large peas. Very sweet and tender. The seed is pale green, flattened and wrinkled.....	.10	.25	.40	.75
286 FIRST AND BEST. Extra Early; one of the earliest tall varieties, with smooth, white peas. Vines are about 30 inches high; pods short and well filled; quality the best.....	.10	.20	.35	.65
291 *GRADUS OR PROSPERITY. This pea is an extremely early large-podded, wrinkled variety, which matures only a few days later than the little round-seeded, small-podded varieties. The vines are nearly 4 feet high and the pods are very large, well shaped and pointed. The peas are large and light green in color. One of the best sort for the garden.....	.10	.25	.40	.75
285 *PREMIUM GEM (Improved Little Gem). A very desirable early green, wrinkled, dwarf variety. The vine is very productive and grows to a height of from 15 to 18 inches. The pods are of medium size, about 3¾ inches long, and crowded with six to eight very large peas of fine quality.....	.10	.20	.35	.65
297 *LITTLE MARVEL. An excellent dwarf sort for the market and home garden. The pods average a little longer than those of Premium Gem, are more attractive in shape and color and the peas are of superior quality. The vines are sturdy, nearly 18 inches high, heavily set with straight, deep green pods, square ended at the bottom and nearly 3 inches in length. Its season is about the same as Premium Gem. Seed large, wrinkled.....	.10	.25	.40	.75

Buchanan's 10c Packets Contain Twice as Much Seed as Many 5c Packets and Some of Them 3 and 4 Times as Much

All Seeds listed on this page are delivered transportation paid in the U. S. or possessions. **ORDER EARLY**



Buchanan's Garden Peas — Special Collections This Page

All Prices on this Page Post Paid

All 10c Pkts. 3 for 25c

	Pkt.	½ Lb.	1 Lb.	2 Lb.
292 CHAMPION OF ENGLAND. A very productive standard main crop variety, one of the best flavored of the late peas. The vines are 4 to 5 feet high, and the foliage is medium green. The pods are medium dark green, broad and nearly straight, and about 3 inches long. We have a fine stock of these peas.....	.10	.20	.35	.65
293 TELEPHONE. A standard variety, grows tall and large; peas are wrinkled and of fine quality. Vines and foliage are strong and heavy, medium green. One of the best main crop varieties.....	.10	.20	.30	.60
298 *BLISS EVERBEARING. The vines are stout, of medium height, about 2½ to 3 feet, bearing at the top 6 to 10 good sized pods, about 2½ to 3 inches long. If these are picked as they mature and the season and soil are favorable, the plant will throw out branches bearing pods which will mature in succession, thus prolonging the season. The peas are large and wrinkled, tender, of superior flavor and preferred by many to any other sort.....	.10	.20	.35	.60
294 LARGE WHITE MARROWFAT. This variety is very tall, about 5 feet, and of strong growth. The pods are about 3 inches long, round, light green and somewhat rough. The peas are large, round, smooth and creamy yellow. It is a very desirable variety for summer use and is undoubtedly one of the most productive of the garden peas.....	.10	.15	.25	.40
295 LARGE BLACK EYE MARROWFAT. An excellent tall variety, about 5 feet high. It is a very prolific bearer of large pods, about 3 inches long. Seed large, smooth, round, light creamy yellow, with black eye. One of the very best of the Marrowfat sorts.....	.10	.20	.30	.40



Ameer Peas

300 Buchanan's Collections of Garden Peas

The Following Five Varieties Comprise the Collections

EARLY ALASKA. A wonderful, round-seeded variety, yielding in about 70 days from seed. Height 3 feet.

***GRADUS.** The standard early wrinkled Pea, yielding generally in 80 days. Height 3 feet.

***LITTLE MARVEL.** A wrinkled sort, 1½ feet high. Requires about 85 days from seeding to maturity.

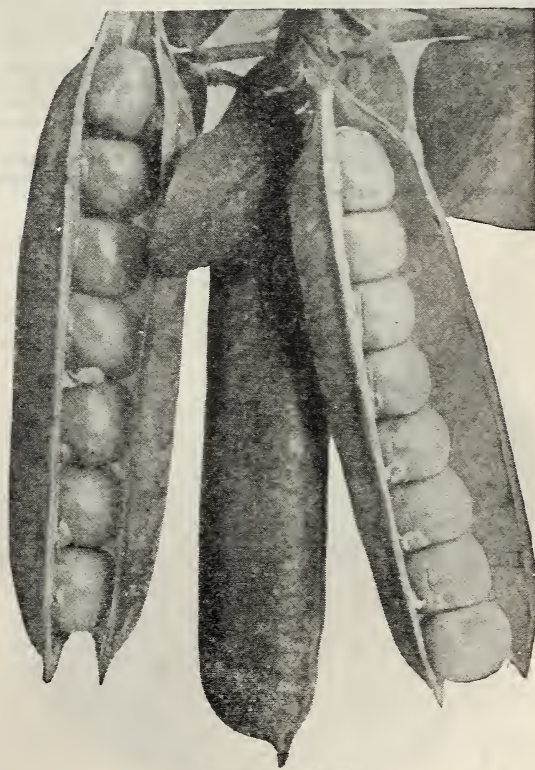
***TELEPHONE.** The standard late tall wrinkled Pea. Produces its pods in about 90 days from seed. It grows 5 feet high.

***BLISS EVERBEARING.** An extremely late wrinkled variety, yielding in 95 days from seeding. Height 2 feet.

THE COLLECTIONS

Postpaid

One packet each of above five Peas.....	\$.45
Half-pound each of above five Peas.....	.75
One pound each of above five Peas.....	1.40
Two pounds each of above five Peas.....	2.75
Five pounds each of above five Peas.....	6.25



Champion of England

QUANTITY PRICES—On all seeds see yellow price list in center of book.

Buchanan's 10c Packets Contain Twice as Much Seed as Many 5c Packets and Some of Them 3 and 4 Times as Much



Buchanan's Pumpkin Seed

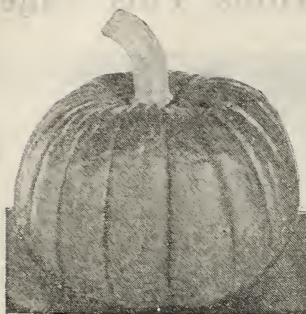
CUI PIRE—One pound will plant 40 to 50 hills; 5 pounds will plant one acre. Plant in hills 8 to 10 feet apart each way, four seed to the hill. For a good crop the soil should be rich. Cultivate same as cucumbers or melons. Pumpkins should not be planted in the garden, as they will readily mix with squash, much to the detriment of same. Many pumpkins are raised between corn hills, where they should be planted about 15 feet apart.

1 Oz. Pumpkin Seed Contains about 165 Seed

All Prices on This Page Post Paid

All 10c Pkts. 3 for 25c

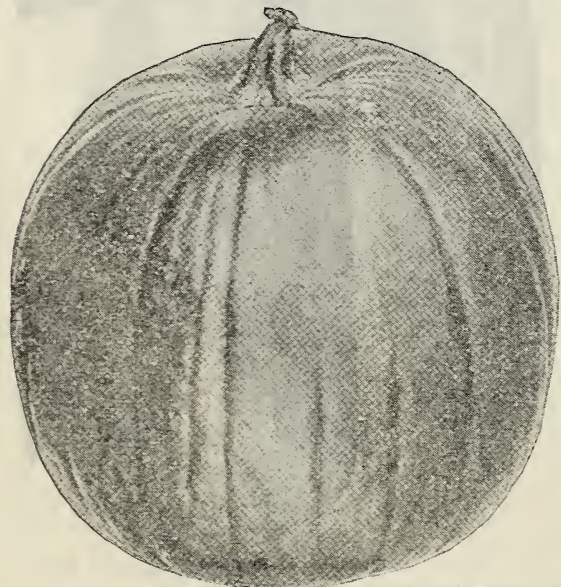
- 315 CUSHAW—Green Striped.** The fruits are crook-necked with the seed in the blossom end; the rind is white, mottled with irregular green stripes. The average weight is about 12 pounds. It is the most popular of the cushaw types; it is early and very prolific. The seeds are white and highly enameled, and it is largely used for feeding stock. Matures in 120 days. Size 16x10 inches. Price.....Pkt. (½ Oz.) 10c; Oz. 15c; ¼ Lb. 40c; Lb. \$1.25; 5 Lbs. \$5.00
- 318 JAPANESE PIE.** Its shape is similar to the Cushaw pumpkins, crook-necked, but the skin is a dark green, often showing a trace of lighter green stripes. The seed are large, enameled and are engraved or marked in an irregular way, a little similar to Chinese letters. A very early, popular variety. The seed are all in the blossom end, the neck being solid; it furnishes a large amount of food for stock or canning. Matures in 115 days. Size 12x8 inches. Weight 10 to 12 pounds. Price.....Pkt. (½ Oz.) 10c; Oz. 15c; ¼ Lb. 40c; Lb. \$1.25; 5 Lbs. \$5.00
- 316 KING OF THE MAMMOTH OR POTIRON.** The fruits produced are the largest of any pumpkin or squash; it is often called hundredweight. It is used largely for stock feeding and for exhibition purposes; we occasionally have fruits weighing 100 pounds, but the average is considerably under this. They are a bright lemon in color, mottled with orange color; the fruits are round with a trace of ribbing. The flesh is very hard, firm, and while a little coarse in texture, is of good quality. Very often the fruits are netted or covered with a network of veins a little similar to those occurring on muskmelons. Matures in 120 days. Size 24x18 inches. Weight 60 pounds. Price.....Pkt. (½ Oz.) 10c; Oz. 20c; ¼ Lb. 50c; Lb. \$1.40; 5 Lbs. \$5.25
- 314 KENTUCKY FIELD.** The fruits are a little similar to the Large Cheese, but these two kinds are not identical in our opinion. Kentucky Field is used very largely for canning and for feeding stock. The fruits are flat, and the seed are small and rough. It is a very hardy, late variety. The fruits often are dull orange in color and are not uniform in shape, many being long or round. Matures in 120 days. Size 12x7 inches. Weight 10 pounds. Price.....Pkt. (½ Oz.) 10c; Oz. 15c; ¼ Lb. 25c; Lb. 65c; 5 Lbs. \$2.50
- 320 LARGE CHEESE.** It derives its name from its similarity to a cheese box; the fruits are very flat, cream colored and slightly ribbed. It is in wide use for canning purposes; it keeps exceptionally well and is one of the old, widely used kinds of exceptional merit. The seed are small, thin and fuzzy in appearance. It is extremely prolific and disease resistant. Matures in 110 days. Size 12x7 inches. Weight 9 pounds. Price.....Pkt. (½ Oz.) 10c; Oz. 15c; ¼ Lb. 35c; Lb. 75c; 5 Lbs. \$3.00
- 319 QUAKER PIE.** The fruits are medium sized and pointed at both ends; it may be called double bell shaped. The skin is a cream color, very smooth and hard, and the flesh thick and sweet. It is an early variety, but not widely used. Matures in 115 days. Size 12x7 inches. Weight 10 pounds. Price.....Pkt. (½ Oz.) 10c; Oz. 15c; ¼ Lb. 40c; Lb. \$1.25; 5 Lbs. \$5.00
- 313 SMALL SUGAR.** It is also called Boxtan Pie and Sugar Pie. We believe this variety to be the best pumpkin for general use; it is late, very prolific, and its thick, sweet flesh is adapted for all purposes. The fruits are round and flat on the ends; the color is a deep orange and the pumpkins have distinct ridges or stripes around them. It will store exceptionally well; it is used largely for canning, but more for home and market gardens. Matures in 120 days. Size 8x10 inches. Weight 6 to 7 pounds. Price.....Pkt. (½ Oz.) 10c; Oz. 15c; ¼ Lb. 40c; Lb. \$1.25; 5 Lbs. \$5.00
- 317 TENNESSEE SWEET POTATO.** The fruits are pear or bell shaped, of medium size and with a white skin, slightly mottled with green stripes of a light shade. The seed are large and highly enameled; the fruits average about 15 pounds in weight; the flesh is a creamy white and is very thick and sweet. It is an early type of pumpkin and enjoys wide use. Matures in 110 days. Size 12x9 inches. Price.....Pkt. (½ Oz.) 10c; Oz. 15c; ¼ Lb. 40c; Lb. \$1.25; 5 Lbs. \$5.00
- 325 CORN FIELD PUMPKINS—For Feeding Stock.** Usually planted in cornfields on bottom land; will produce enormous crops. Price.....Pkt. (Oz.) 10c; ¼ Lb. 20c; 1 Lb. 50c; 5 Lbs. \$2.00



Sugar or New England Pie



Genuine Green Striped Cushaw



King of the Mammoths



Japanese Pie Pumpkin

324

Buchanan's Pumpkin Collections Save Money

Green Striped
Cushaw

Kentucky Field
New England Pie

King of the
Mammoths

Price Coll. 4 Pkts. 30c

1 Oz. Each 4 Varieties 50c



BUCHANAN'S

CERTIFIED NORTHERN GROWN

SEED POTATOES



Certified Seed Irish Potatoes

Will mature in 70 to 90 days, according to the variety. Cut two eyes, drop them every 15 inches and make rows 3 feet apart; cover eyes 2 inches; plant in February March, and April for early crops. Requires about 10 Bu. to acre.

Use plenty of well rotted manure with either Truck Guano or Cotton Seed Meal, this should be put down in the furrow and then throw a little dirt on the top of it. Do not let the potatoes come in contact with the fertilizer as they will be very liable to rot. Keep well cultivated. One peck will plant 125 feet of row; 7 to 10 bushels will plant an acre, depending on the size of the seed.

323 BUCHANAN'S RED TRIUMPH—The best potato for the South. We sell five times as many Triumphs as all the others combined. It's adapted to all parts of the South, from Kentucky to Florida, from the Carolinas to Arizona. It's an extra early, and with our pure grown seed stock it's the surest producer of any, while its handsome appearance when first dug makes it a ready seller at top prices on any market. It withstands heat and drought to a wonderful degree and makes a good crop when other varieties burn up and make nothing. Vines are smaller than other varieties, the strength of the plant going into making potatoes rather than into the vine. This is the right potato for you to plant if you want an extra early and sure cropping potato of the very best quality. It will give you entire satisfaction. Write for market prices when ready to buy.



326 LOOKOUT MOUNTAIN POTATO—Second Crop. Very prolific, late; long keeping variety, for planting in June or July; grows large tubers, pure white, smooth, of good quality. No other variety stands our hot climate as well. We book orders now for shipment first of June.

322 BUCHANAN'S IRISH COBBLER—We grow and like it. In shape it's much like Triumph, but more oblong; color of skin a creamy white, slightly netted with lighter color. Cooks quickly, is almost pure white, mealy, but not too dry. A good shipper and good keeper for home use and nearby market. Write for our best market prices when ready to buy.

QUANTITY PRICES—On all seeds see yellow price list in center of book.

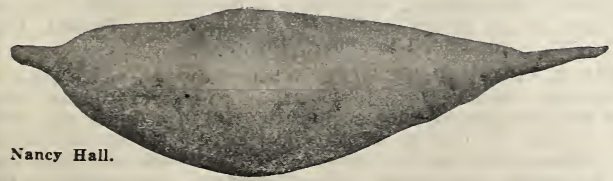
Buchanan's Southern Seed Sweet Potatoes

We make no charge for boxes, baskets, barrels or packing. For prices on Sweet Potato Slips, see page 4.

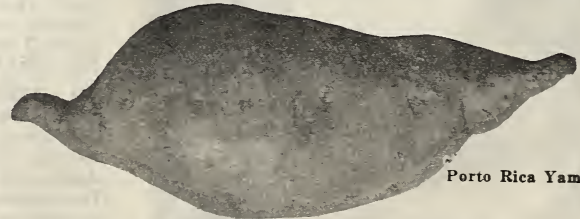
Your State Agricultural Experiment Station will be glad to send you Bulletins on the Sweet Potato.

For more information on Sweet Potatoes, write United States Department of Agriculture, Division of Publication, Washington, D. C., for Farmers' Bulletin No. 26,999 and 1059. Write for prices on quantities when ready to buy.

One bushel seed Sweet Potatoes produces about 2000 slips—should be set in rows 3 feet apart; plant 2 ft. apart in rows; takes 7000 to 8,000 to acre.



Nancy Hall.



Porto Rica Yam.

334 NANCY HALL—Our most popular Sweet Potato because of its early maturing and ready sale on all markets, especially the Northern markets, where the Southern Nancy Hall is known as the best eating Sweet Potato grown.

Color, yellow, slightly running, ready to harvest in July, fine for cooking, but does not keep during the winter as well as the Gold Coin or Porto Rica.

335 PORTO RICA YAMS—We have grown this Sweet Potato for five years and the demand for both Seed and Slips has increased each year. It is fine grained, juicy, as good for eating as the Nancy Hall and has the additional quality of being a good winter keeper. Color, golden red, running, late maturing, good keeper, and I consider it the best Sweet Potato grown today for home use.

QUANTITY PRICES—On all seeds see yellow price list in center of book.

All seed potatoes will be very high this year—Write for prices

**R.B. BUCHANAN SEED CO.****MEMPHIS, TENNESSEE.****BUCK BRAND TESTED SEEDS**

Buchanan's Radish Seeds

CULTURE—Sow in open ground, in spring, as soon as the soil can be worked. Sow in rich, sandy loam, in drills 18 inches apart; thin plants to prevent crowding. Keep the soil loose and apply a little nitrate of soda. Successive plantings should be made every 10 days or 2 weeks to keep up a continuous supply of crisp and tender radishes. For early use plant the round or button radishes and olive shaped. For later use plant the long and half-long varieties. Sow one ounce of seed to 100 feet of row.

FOR FIELD PLANTING—Plant in rows 15 inches apart, plants 3 inches apart, 8 to 10 lbs. to acre, matures in 24 to 40 days, the white tipped is best for all markets.

All Prices on this Page Post Paid

All 10c Pkts. 3 for 25c

Round and Turnip-Shaped Varieties

340 BUCHANAN'S EPICURE RADISH (White Tipped). One of the best early radishes for the home garden and a great favorite in large markets for early planting outdoors. The color is very bright, deep rose-carmine scarlet with a distinctly white tip. The flesh is white and of the best quality. The scarlet is unusually deep and affords a distinct contrast with the large, clear white tip. Packet, 10c; 1 oz., 15c; 2 oz., 25c; $\frac{1}{4}$ lb., 30c; 1 lb., 75c; 5 lb., \$3.50.

339 EARLY SCARLET TURNIP (White Tipped). One of the best early radishes for the home garden and a great favorite in large markets for early planting outdoors. The roots are nearly round, slightly flattened on the underside. The color is very bright, deep rose-carmine scarlet with a distinctly white tip. The flesh is white and of the best quality. The stock we offer is exceptionally attractive in its splendid coloring. The scarlet is unusually deep and affords a distinct contrast with the large, clear, white tip. Packet, 10c; 1 oz., 15c; 2 oz., 25c; $\frac{1}{4}$ lb., 35c; 1 lb., 90c; 5 lbs., \$3.50.

351 BUCHANAN'S SCARLET GLOBE. One of the earliest and best for forcing; color a very handsome shade of scarlet; mild flavor, crisp and juicy; stands a great amount of heat without becoming pithy. This variety does equally well for forcing and outdoor planting. Packet, 10c; 1 oz., 15c; 2 oz., 25c; $\frac{1}{4}$ lb., 35c; 1 lb., 80c; 5 lbs., \$3.75.

338 EARLY SCARLET TURNIP. A round, red turnip shaped radish with small tops and of very quick growth, deserving general cultivation on account of its rich, scarlet-red color, almost crimson, and its white, crisp, and tender flesh. The roots often grow 1 inch long by $1\frac{1}{2}$ inches in diameter before becoming pithy. This is a splendid variety for early outdoor planting for the home garden and market. Packet, 10c; 1 oz., 15c; 2 oz., 25c; $\frac{1}{4}$ lb., 35c; 1 lb., 85c; 5 lbs., \$3.75.

350 FRENCH BREAKFAST. A quick-growing, small, olive shaped radish about $1\frac{1}{2}$ inches long by $\frac{5}{8}$ to $\frac{3}{4}$ of an inch in diameter when fully grown. The color is beautiful deep rose-scarlet except a little clear white about the tip. This is an excellent variety for planting outdoors for the home garden. Its small tops and earliness make it also desirable for growing under glass. Packet, 10c; 1 oz., 15c; 2 oz., 25c; $\frac{1}{4}$ lb., 35c; 1 lb., 85c; 5 lbs. \$3.75.

347 CRIMSON GIANT. Suitable both for forcing or early planting out of doors. A remarkable feature is that it will grow double the size of other round red forcing Radishes and still remain solid, not showing the least sign of becoming hollow. In shape it is round to oval and very attractive. The flesh is mild and tender. Packet, 10c; 1 oz., 15c; 2 oz., 25c; $\frac{1}{4}$ lb., 35c; 1 lb., 95c; 5 lbs., \$4.00.

354 GOLDEN GLOBE. This variety is of quick growth, affording crisp and tender radishes even in a very hot climate and is extensively grown in the South. The roots are uniformly globe-shaped, with skin of golden yellow color. They are about 2 inches long by $2\frac{1}{4}$ inches in diameter when mature. Packet, 10c; 1 oz., 15c; 2 oz., 25c; $\frac{1}{4}$ lb., 35c; 1 lb., 90c; 5 lbs., \$4.00.

344 BUCHANAN'S NEW PERFECTION (White Tipped). This type of Radish, having red skin with a white tip, has long been a great favorite, and with this variety the white portion extends much farther up than is the case with ordinary Scarlet Turnip White Tip Radish. The general contour is turnip-shape, and size medium, very uniform, with flesh crisp, tender, and sparkling. The rapidity of its growth recommends "New Perfection" for growing in the greenhouse, but it is equally as valuable for sowing in the vegetable garden. Packet, 10c; 1 oz., 15c; 2 oz., 25c; $\frac{1}{4}$ lb., 35c; 1 lb., 85c; 5 lbs., \$4.00.

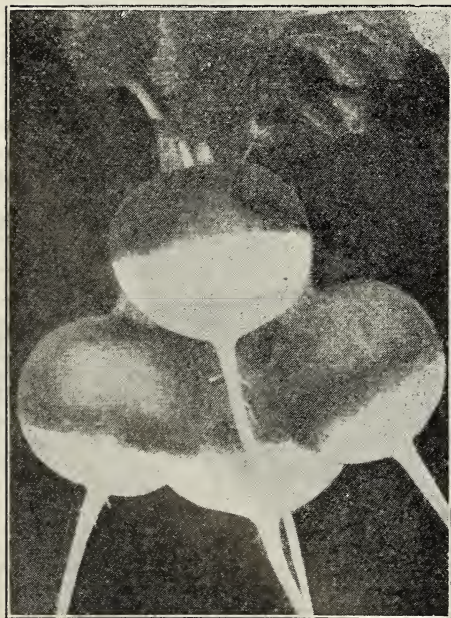
353 MIXED RADISHES. Buchanan's Mixed Radishes contain some of each variety catalogued by us, except the winter varieties. It contains early, medium, and late varieties, the round, half-long, and long. For home garden use we sell thousands of packages of this justly celebrated mixture every year, giving, as it does, a succession of crisp, tender radishes throughout the season from one sowing. Packet, 10c; 1 oz., 15c; 2 oz., 25c; $\frac{1}{4}$ lb., 35c; 1 lb., 75c; 5 lbs., \$3.50.



Early Scarlet White-Tipped Radish



Buchanan's French Breakfast Radish



Buchanan's New Perfection Radish

QUANTITY PRICES—On all seeds see yellow price list in center of book.

All Seeds listed on this page are delivered transportation paid in the U.S. or possessions. Order Early.

Buchanan's Radish Seeds—Long Varieties

ALL PRICES ON THIS PAGE POST PAID.
All 10c Pkts., 3 for 25c

352—CINCINNATI MARKET—This is the finest long radish to plant for shipment to Northern markets. It is the standard market radish in a number of Southern trucking centers, and is without a doubt the most profitable long variety in cultivation. The skin is scarlet colored, and very thin; the flesh is crisp, brittle, and of delightful flavor. The roots are slender and before becoming pithy are often 6 to 8 inches long by about 5/8 of an inch in diameter at the shoulder. Pkt., 10c; 1 oz., 15c; 2 oz., 25c; ¼ lb., 35c; 1 lb., \$1.00; 5 lbs., \$4.00.

341—HALF LONG DEEP SCARLET—The roots of this hardy and desirable sort are of a very brilliant, deep, rich red color and half long, with a somewhat tapering point; the flesh is very white, crisp and tender; of quick growth and seldom pithy. Pkt., 10c; 1 oz., 15c; 2 oz., 25c; ¼ lb., 35c; 1 lb., \$1.00; 5 lbs., \$4.00.

343—LONG SCARLET SHORT TOP—The best of the long red radishes. It is very early, of good size, fine quality; most largely planted of all long red radishes. Pkt., 10c; 1 oz., 15c; 2 oz., 25c; ¼ lb., 35c; 1 lb., 85c; 5 lbs., \$3.75.

345—WHITE VIENNA, or LADY FINGER—A medium early maturing, long white summer radish; roots are 6 to 7 inches long, white, slender and smooth. This variety grows more above the ground than the icicle and consequently is more or less tinged with green at the top of the root. Pkt., 10c; 1 oz., 15c; 2 oz., 25c; ¼ lb., 35c; 1 lb., 90c; 5 lbs., \$4.00.

346—WHITE ICICLE—A very attractive, pure white radish, the earliest of the long, white summer sorts and of most excellent quality. The roots are somewhat shorter, with smaller tops than Long White Vienna and mature a little earlier. The roots when mature are 5 to 6 inches long by about 1/2 to 5/8 of an inch in diameter. Pkt., 10c; 1 oz., 15c; 2 oz., 25c; ¼ lb., 35c; 1 lb., 90c; 5 lbs., \$4.00.

355—CALIFORNIA MAMMOTH WHITE—The roots of this very large white winter sort grow 9 to 12 inches long, by 3 to 4 inches or more in diameter just below the shoulder, tapering regularly to the tip. Pkt., 10c; 1 oz., 15c; 2 oz., 25c; ¼ lb., 35c; 1 lb., 90c; 5 lbs., \$4.00.

349—LONG BLACK SPANISH—One of the latest and hardest varieties for winter use; grows to large size; roots 8 to 9 inches long and 2 to 3 inches in diameter, nearly black in color. The flesh is white, very firm and of good quality; a very popular market variety. Pkt., 10c; 1 oz., 15c; 2 oz., 25c; ¼ lb., 35c; 1 lb., 90c; 5 lbs., \$4.00.

348—CHINA ROSE, WINTER—One of the very best winter sorts, roots are cylindrical, or largest near the bottom, stump-rooted, or blunt at both ends; skin smooth and bright, deep rose color; flesh white, crisp and pungent; the roots are 4 to 5 inches long and 2 inches thick. Pkt., 10c; 1 oz., 15c; 2 oz., 25c; ¼ lb., 35c; 1 lb., 90c; 5 lbs., \$4.00.

SPINACH—The Health Plant

Culture—One ounce to 60 feet of drill. For an early summer crop sow early in the spring, in drills, 1 foot apart, and thin out to 2 inches in the row. For winter and early spring crop sow either broadcast or in drills about the first of September to December 15th.

For Fields—Sow broadcast 15 to 20 lbs. to acre, ready in 8 weeks, produces enormously and is becoming one of the south's best quick money crops. Write for prices in quantities.

359—BLOOMSDALE CURLED SAVOY—A most valuable variety. In appearance the leaf is wrinkled in the same way as that of the Savoy Cabbage, hence the name. It produces nearly twice the bulk of crop as the ordinary sort, is fully as hardy, and in all other respects equal. Pkt. (1 oz.), 10c; 2 oz., 15c; ¼ lb., 25c; 1 lb., 40c; 5 lbs., \$1.75.

358—BROAD LEAVED FLANDERS—One of the most vigorous, strong growing varieties. The leaves are nearly round, uniformly deep green, quite thick. Pkt. (1 oz.), 10c; 2 oz., 15c; ¼ lb., 20c; 1 lb., 75c; 5 lbs., \$3.00.

356—LARGE VIROFLAY THICK LEAF—A variety with very large, thick leaves, making it especially desirable where bulk is wanted. Pkt. (1 oz.), 10c; 2 oz., 15c; ¼ lb., 20c; 1 lb., 50c; 5 lbs., \$2.50.

361—NEW ZEALAND—Grows 1½ ft. high and, if transplanted, two or three feet will produce an abundant crop in the hot weather when the ordinary spinach cannot be had. Pkt., 10c; 1 oz., 15c; 2 oz., 25c; ¼ lb., 40c; 1 lb., \$1.00; 5 lbs., \$4.00.

360—VICTORIA—One of the best varieties for spring growing, as it stands fully two weeks longer than any other sort before running to seed. Pkt., (1 oz.), 10c; 2 oz., 15c; ¼ lb., 25c; 1 lb., 65c; 5 lbs., \$3.00.

362—NORFOLK CURLED—Originated by the Virginia Truck Growers, who claim it will resist with much better than Bloomsdale Savoy, which it resembles. Pkt. (1 oz.), 10c; 2 oz., 15c; ¼ lb., 35c; 1 lb., 75c; 5 lbs., \$3.25.

357—KING OF DENMARK SPINACH—A very popular variety of recent introduction, and has proven very successful to grow in hot weather. The color is darker green than most varieties and the leaves are well crimped and very attractive. Pkt. (1 oz.), 10c; 2 oz., 15c; ¼ lb., 35c; 1 lb., 75c; 5 lbs., \$3.00.



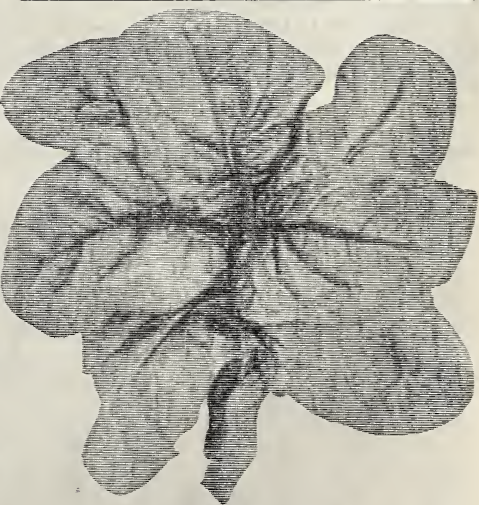
White Icicle Radish

337 BUCHANAN'S RADISH COLLECTION

SAVES MONEY

Buchanan's White Tipped, Buchanan's Scarlet Globe, Buchanan's Golden Globe, Long Scarlet Short Top, California Mammoth White.

Price, Coll. of 5 Pkts. 35c
1 oz. Each 60c



King of Denmark Spinach

Salsify, or Oyster Plant

Culture—One ounce is sufficient for 75 feet of drill; 5 to 6 lbs. to acre. Plant usually latter part of March, in rows from 2 to 2½ feet apart, thinning later to about 4 inches in the row. Does best in very rich soil.

364—MAMMOTH SANDWICH ISLAND—Pkt., 10c; 1 oz., 20c; 2 oz., 40c; ¼ lb., 60c; 1 lb., \$2.00.



R.B. BUCHANAN SEED CO.

MEMPHIS, TENNESSEE.



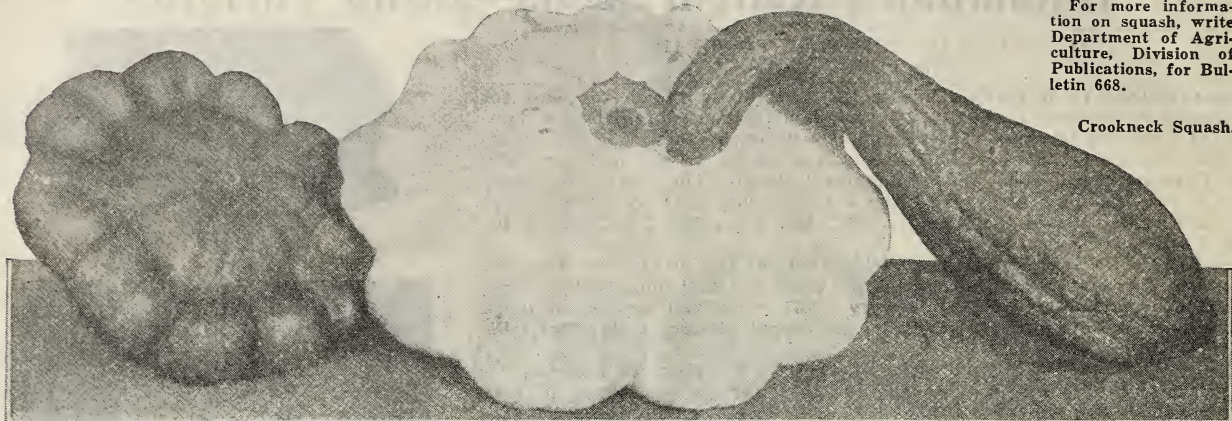
BUCK BRAND TESTED SEEDS

Golden Custard.

Buchanan's White Bush Squash

For more information on squash, write Department of Agriculture, Division of Publications, for Bulletin 668.

Crookneck Squash.



CULTURE—Squash will not stand frost and cold nights, hence plantings should not be made until danger of frost and cold nights is over. Work the soil deeply before planting. For the bush varieties, hills should be 3 to 4 feet apart each way, 6 to 10 seeds in each hill, covering seed about 1 inch. Thin out to 2 plants after rough leaves are formed. One or two shovelfuls of well-rotted manure to each hill, thoroughly worked into the soil, is advantageous. Hoe often, keeping down all weeds and grass. Keep surface soil loose, but do not disturb the plants.

For Field Planting—Plant in hills 3 ft. apart and rows 4 ft apart, 3 lbs. seed to acre, ready for use in 60 days.

ALL PRICES ON THIS PAGE POST PAID

All 10c Pkts. 3 for 25c

368—EARLY WHITE BUSH—The well known White Scalloped Squash. One of the earliest to mature, very productive; skin and flesh a light cream color. Similar to Mammoth White Bush except finer grained and not so large. A very popular variety for shipment to Northern markets from Florida as well as being a general favorite for home gardeners everywhere. Pkt., 10c; 1 oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; 5 lbs., \$5.00.

369—MAMMOTH WHITE BUSH—Similar to Early White Bush. They are larger and more uniform in shape, and about five days later. Pkt., 10c; 1 oz., 15c; 2 oz., 25c; ¼ lb., 40c; 1 lb., \$1.25; 5 lbs., \$5.00.

371—GOLDEN SUMMER CROOKNECK—Bush variety, early and prolific; surface deep yellow, densely warted, quality and flavor good. Pkt., 10c; 1 oz., 15c; 2 oz., 25c; ¼ lb., 40c; 1 lb., \$1.25; 5 lbs., \$5.00.

372—GIANT YELLOW CROOKNECK—The best summer variety. Fruit is large, bright yellow, and covered with warts. Pkt., 10c; 1 oz., 20c; 2 oz., 35c; ¼ lb., 50c; 1 lb., \$1.25; 5 lbs., \$5.00.

367—GOLDEN CUSTARD—A flattened, scalloped bush squash of the largest size. Flesh is pale yellow and of very fine flavor. Except for color, this squash is identical with the

Mammoth White Bush. This is a splendid yellow variety to plant. Pkt., 10c; 1 oz., 15c; 2 oz., 25c; ¼ lb., 40c; 1 lb., \$1.25; 5 lbs., \$5.00.

373—DELICIOUS—A fall or winter sort, of medium size; top-shaped in form, dark green in color. The flesh is dark orange, very sweet, dry and delicious. An excellent keeper. Pkt., 10c; 1 oz., 15c; 2 oz., 25c; ¼ lb., 40c; 1 lb., \$1.40; 5 lbs., \$5.00.

374—HUBBARD—One of the best winter squashes; flesh bright orange yellow, fine-grained, very dry, sweet and richly flavored. Pkt., 10c; 1 oz., 15c; 2 oz., 25c; ¼ lb., 40c; 1 lb., \$1.25; 5 lbs., \$5.00.

366—SQUASH—KITCHEN GARDEN COLLECTION—
White Bush, Yel. Summer Crookneck, Golden Custard
Price of Collection, 3 pkts., 25c; 1 oz. each, 55c.

HERBS

For flavoring soups, meats, etc., a few pot and sweet herbs are necessary for every garden. If they are to be used during the winter, the stalks should be cut on a dry day, when not quite in full bloom.

Varieties preceded by an (*) are perennials.

ANISE—Used for garnishing, seasoning and for cordials. Pkt., 10c; oz., 35c.

BASIL, Sweet—The leaves are used for flavoring soups, stews and highly seasoned dishes. Pkt., 10c; oz., 50c.

***CHIVES SEED**—Used for seasoning. Pkt., 10c; ½ oz., 40c; oz., 75c. Plants, 3 for 65c; doz., \$2.00.

DILL—Leaves are used in pickles and for flavoring soups and sauces. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

***FENNEL, Sweet**—The leaves boiled are used in fish sauces and are beautiful for garnishing. The seeds are used for flavoring. Pkt., 10c; oz., 25c.

LAVENDER—True Lavender. Pkt., 10c; oz., 75c.

MARJORAM (Sweet)—The leaves and the end of the shoots are used for flavoring in summer and they are also dried for winter use. Pkt., 10c; oz., 50c.

MINT—For mint sauce and juleps. Strong pot plants. Price, 3 for 50c; doz., \$1.50.

ROSEMARY—The leaves are used for seasoning. Pkt., 10c; ½ oz., 25c.

SAGE (Holt's Mammoth)—The plants are of strong growth, attain a height of 1 ft. the first season and spread so that a single plant covers a space of 3 ft. in diameter. Price, 3 for 65c; 12 for \$2.50; 100, \$12.00.

SAGE SEED—Leaves and tops are used for seasoning and stuffing. Pkt., 10c; ½ oz., 30c; oz., 50c.

THYME—Used for seasoning; a tea is also made for nervous headache. Pkt., 10c; ½ oz., 30c; oz., 60c.



Bloomsdale Spinach
See Page 33 for Prices



Buchanan's Turnip Seeds

All 10c Pkts. 3 for 25c

CULTURE—One ounce will sow 200 feet in a drill; 1 to 2 lbs. for an acre. For early use, sow seed of flat varieties in open ground in spring, in drills 1 foot or more apart, using seed sparingly. Thin to 3 or 4 inches apart. For succession sow every two weeks until May. For fall and winter sow in August and until December. A good crop may often be grown by scattering seed thinly in the cornfield and cotton field at the last cultivation.

407—BUCK-A-LOO TURNIP—This wonderful new turnip from the Orient is now one of the South's most popular varieties for summer and fall planting. The roots are pure white, between flat and globe in shape (see cut.) The leaves grow upright and are practically free from insect attacks; they are splendid for greens, mild flavor and will grow in the hottest and driest weather. Original stock can only be procured from us and packed in sealed packages.

Price, Pkt. 10c; Oz. 15c; 1/4 lb. 35c; 1/2 lb. 65c; 1 lb. \$1.25; 5 lbs. \$5.00 Postpaid.

395—LARGE WHITE GLOBE—Of perfect globe shape; skin white and smooth.

396—EXTRA EARLY PURPLE TOP MILAN—The finest extra early garden turnip.

399—RED OR PURPLE TOP FLAT STRAP LEAF—An early flat sort, flesh white.

400—SEVEN TOP—Used extensively for greens, will grow all winter.

401—MAMMOTH PURPLE TOP WHITE GLOBE—Globular shape, flesh white.

402—AMERICAN RED TOP WHITE GLOBE—Best quality for table and market use.

403—EARLY WHITE FLAT DUTCH STRAP LEAF—A quick growing white variety.

404—SOUTHERN PRIZE—Valued highly for greens; also a nice root

405—BUCHANAN'S MIXED TURNIP—Varieties mixed to last from fall to spring.

406—EXTRA EARLY WHITE EGG—A very early, tender and crisp turnip.

411—PURPLE TOP YELLOW ABERDEEN—A yellow fleshed late maturing turnip.

413—AMBER GLOBE OR GOLDEN BALL—A large green crowned yellow variety.

418—RUTABAGA—IMPROVED PURPLE TOP YELLOW—Grows the same shape and size as Purple Top Globe Turnips. Color of skin yellow with purple crown. Flesh deep yellow, fine grain and of excellent quality. It is an excellent keeper. The top is much shorter than most Rutabagas; it has absolutely no neck and is a rapid grower.

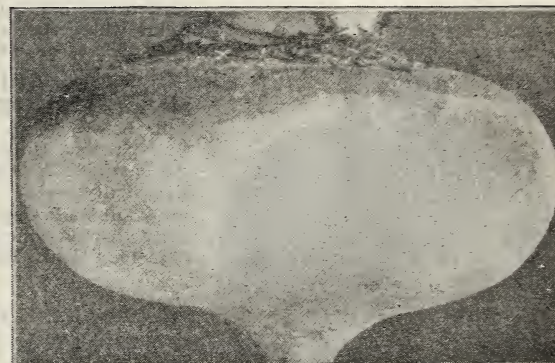
Price, All Varieties Turnips—Pkt. (1 oz.) 10c; 1/4 lb. 30c; 1/2 lb. 40c; 1 lb. 65c; 5 lbs. \$2.50, postpaid. Write for prices on large quantities.

415 Buchanan's Big 7-Turnip Collection, 35c

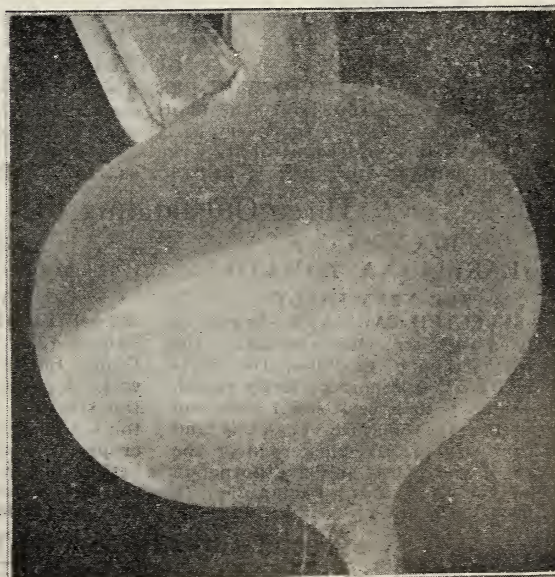
The most popular of all turnip collections. This gives every family in the South a full supply of early, medium and late turnips. No other house offers you such a bargain in turnip seed as this. For 50 cents we will send you post paid one ounce each of Extra Early White Egg, Purple or Red Top Strap Leaf, Early White Flat Dutch, Purple or Red Top Globe, Yellow or Amber Globe, Improved American Rutabaga and Seven Top—7 ounces of Turnips, all different, for 50 cents, delivered at your post office. No other varieties will be sold at this price and no changes will be allowed in this collection. If you do not want to plant all this seed this fall, what you hold over is perfectly good for your next spring planting. **7 ounces, 7 Varieties, 25 cents, post paid.**



Buck-a-loo Turnip



Purple Top Strap Leaf



Purple Top Globe



R.B. BUCHANAN SEED CO.

MEMPHIS, TENNESSEE.



BUCK BRAND TESTED SEEDS

Buchanan's Pedigreed Tomato Seeds

CULTURE—Six or eight weeks before frost is over, sow $\frac{1}{4}$ inch deep in hot-beds, in pots or shallow boxes in the house, and when they have made 4 leaves transplant to boxes or pots to promote root growth. Expose as much as possible to harden them so that, when set out in the open ground, they will be strong and stocky, but do not allow the growth to be checked. Transplant 3 to 4 feet apart in a light, warm soil, and shade them a few days until they are well rooted. One ounce makes about 1,500 plants; 4 ounces will make plants for an acre.

For Field Planting—Set plants 3 ft. apart in rows 4 ft. apart, require 3,600 plants to acre, they will bear July until frost.

All Prices on This Page Post Paid

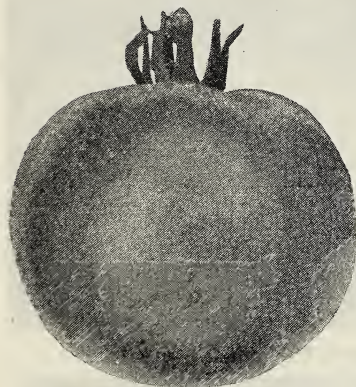
All 10c Pkts. 3 for 25c



Acme



Earliana



Stone

Wilt-Resistant Tomatoes

More than a hundred thousand tons of tomatoes is the loss caused by tomato wilt in the South every year. Wilt is a fungus that lives in the soil and invades the plant through its roots. Spraying does no good; the only remedy is to grow wilt-resistant varieties.

BUCHANAN'S NORTON WILT-RESISTANT TOMATO

385—NORTON WILT-RESISTANT (Red)—Norton was developed from the Stone, which ripens at the same season, and can be classed as a wilt-resistant Stone, but a more abundant bearer and the fruits are more solid. It yields a heavy crop of large, smooth, solid red fruits that ripen slowly; therefore is a good keeper and a good shipper; it is also remarkably drought-resistant. An excellent tomato for the home garden, for canning and for the late market. Pkt., 10c; $\frac{1}{2}$ oz., 15c; oz., 30c; $\frac{1}{4}$ lb., 85c; lb., \$2.75.

BUCHANAN'S NORDUKE TOMATO

384—NORDUKE WILT-RESISTANT (Red)—The Norduke represents the best effort of the United States Department of Agriculture in wilt-resistant tomatoes. Not as late as Norton, and makes large, smooth, red fruits that are borne in great abundance. It ripens more quickly than Norton, so does not ship as well, but is a fine tomato for the home garden and for canning. Splendid crops of Norduke have been grown in wilt-infested fields where the entire crop of non-wilt-resistant tomatoes were entirely killed by wilt. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.60; lb., \$5.00.

BUCHANAN'S GULF STATE MARKET TOMATO

394—GULF STATE MARKET WILT-RESISTANT—We believe the Gulf State Market will, before many years, be the chief purple fruited market variety grown in the Gulf States. Gulf State Market was developed out of the Early Detroit, and retains the earliness of that variety. The vines are very vigorous and withstand blight exceptionally well. The fruits are large for so early a variety, round or globe shaped, show but little depression about stem and are smooth and free from cracks. Color deep purplish-pink ripening well about the stem. The skin is firm and the flesh is solid. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

BUCHANAN'S JUNE PINK TOMATO

392—JUNE PINK TOMATO—Unexcelled for home use and shipping. A highly developed strain that will produce an attractive purplish-pink tomato of the finest quality as early as the Earliana. The fruits are large, nearly round, very smooth and solid. The fruits grow in clusters and fairly load down the plants with an abundance of uniform tomatoes. As smooth as the Stone and as seedless as the Ponderosa. It is a splendid shipper and a great favorite among the large commercial tomato growers in South Texas. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; lb., \$4.50.

BUCHANAN'S BUCK BRAND TOMATO

391—BUCK BRAND TOMATO WILT-RESISTANT (Pink)—One of the very best early tomatoes yet introduced. The vines are vigorous and very productive. The fruits are deep pink, nearly round or somewhat flattened, smooth, of large size and most excellent quality. They ripen very early and the pickings continue through a long season. One of the very best early pink fruited sorts and on account of its large size, excellent quality and productiveness, one of the most satisfactory sorts for the home garden. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., 85c; lb., \$3.00.

Three Outstanding Red Tomatoes for a Successive Crop

BUCHANAN'S EARLIANNA TOMATO

FOR VERY EARLY

378—SELECTED EARLIANA—Grown in Northern Michigan. Outclasses all of the ordinary strains of Earliana. The fruits are deep scarlet, almost perfectly round, very solid, with a very small core and few seeds. They mature very early and uniformly in prolific clusters near the center of the plant, and are borne on strong vigorous vines. Packet 25c; $\frac{1}{2}$ oz., 60c; 1 oz., \$1.00.

BUCHANAN'S MARGLOBE TOMATO

FOR MIDSEASON

393—MARGLOBE—New and distinct. A hybrid from Marvel and Livingston's Globe. Entirely immune from rust and wilt. A pure scarlet, globe-shaped, with the size and fine qualities of Livingston's Globe but earlier and a heavier cropper. Valuable for canning and marketing due to its solidity, scarlet color and fine appearance. Packet, 25c; $\frac{1}{2}$ oz., 60c; oz., \$1.00.

BUCHANAN'S LATE BONNY BEST TOMATO

FOR MAIN CROP

390—LATE BONNY BEST—Special Strain. Selected and developed by a market gardener. A distinctly desirable variety. Fruits are bright scarlet, very solid, extremely large, round, flattened and uniform. The vines are exceptionally robust and healthy. Very profitable for main crop and a very excellent shipper. Packet, 25c; $\frac{1}{2}$ oz., 60c; oz., \$1.00.

Special Introductory Offer. One pkt. each of above three for 60 cts., $\frac{1}{2}$ oz. of ea. for \$1.50, oz. of ea. for \$2.50.

QUANTITY PRICES—On all seeds see yellow price list in center of book.



Buchanan's Pedigreed Tomato Seed

All Prices on This Page Post Paid

All 10c Pkts. 3 for 25c

BUCHANAN'S PONDEROSA TOMATO

381—BUCHANAN'S PONDEROSA (Purple)—The color is purple crimson. It is the largest tomato in cultivation, the heaviest, and in addition to these two splendid features it is delicious in flavor. Shape is rather regular, considering its immense size, and makes a splendid slicing variety, having few seeds. Prices: Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.00; lb., \$7.50.

BUCHANAN'S BEAUTY TOMATO

376—BEAUTY (Pink)—The vines are large, hardy and productive, ripening their first fruits very early, although not an extra early variety. The fruits are purplish-pink, round, smooth, and of medium size, free from cracks and stand shipment very well. Prices: Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.25; lb., \$4.00.

BUCHANAN'S BEEFSTEAK TOMATO

377—BUCHANAN'S BEEFSTEAK (Pink)—Is without doubt the largest, meatiest and finest flavored tomato in cultivation, and is less acid than most varieties. The plants are healthy and luxuriant, quite blight resistant and continuous and abundant bearers. They are so vigorous that even in dry seasons we have grown tomatoes of unusual size. The fruits are practically all meat with exceptionally few seeds. If trained to a single stem tomatoes weighing a pound or more are not unusual. Packet, 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.00; 1 lb., \$3.75.

BUCHANAN'S BONNY BEST TOMATO

390—BONNY BEST (Scarlet)—Not quite as early as Earliana, though only a few days later, but a more satisfactory tomato. A vigorous grower and enormously prolific, with splendid foliage which protects the fruits from the hot sun. The color is an intense scarlet; ripens evenly up to the stem. It is round, slightly flattened at stem end, but thicker through than most tomatoes. Its greatest characteristic is its remarkable uniformity of size and smoothness; no rough fruits. Packet, 10c; ½ oz., 15c; oz., 30c; ¼ lb., 90c; lb., \$3.00.

BUCHANAN'S LOUISIANA PINK TOMATO

386—LOUISIANA PINK—A wilt-resistant variety that has been grown and selected for 10 years by the Louisiana Experiment Station, Baton Rouge, La. A smooth fleshed, medium-sized pink tomato with a small seed cavity and few seeds. The skin is medium in thickness. A medium to early variety that has been bred to resist wilt and will yield higher under Louisiana conditions than any wilt-resistant variety developed outside the State. Prices: Packet, 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.00; lb., \$7.50.

BUCHANAN'S CHALK'S JEWEL TOMATO

379—CHALK'S JEWEL—(Bright Scarlet)—Extra early in maturity, coming in very shortly after Earliana, but a heavier cropper, with fruits of larger size and sweeter flavor. A particular advantage is its hardy, vigorous and robust growth, admitting of earlier setting in the field, as it is claimed that it withstands cool weather and blight where more tender sorts would be injured. It continues bearing through a long season. Packet, 10c; ½ oz., 15c; oz., 25c; ¼ lb., 90c; lb., \$3.00.

BUCHANAN'S RED ROCK TOMATO

383—RED ROCK, the Big Red Solid Meaty Tomato—Red Rock is the best large late red Tomato for home use, nearby market or canning. Matures in 110 to 115 days. It is extraordinary solid, perfectly smooth, has no superior in texture or flavor and is as red as a Tomato can be all the way through. Meat is solid without being hard, and of the finest flavor. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00; lb., \$3.50.

BUCHANAN'S STONE TOMATO

382—STONE (Deep Red)—The standard and general favorite with truckers and canners; always dependable, very vigorous and productive; fruits round, large, solid, smooth, and deep red in color. Packet, 10c; ½ oz., 15c; oz., 25c; 2 oz., 40c; ¼ lb., 75c; 1 lb., \$2.50.



Beauty

BUCHANAN'S EARLY DETROIT TOMATO

389—EARLY DETROIT (Purple)—This splendid variety is the largest and best of the early purplish pink tomatoes. The fruits are very smooth, uniform in size, nearly globe-shaped, firm, and of excellent quality. Pkt., 10c; ½ oz., 15c; oz., 30c; ¼ lb., 90c; lb., \$3.00.

BUCHANAN'S LIVINGSTON GLOBE TOMATO

388—LIVINGSTON GLOBE (Purplish Pink)—A tomato of outstanding merit that ripens just after the very early kinds. Always smooth, firm fleshed and has but few seeds, especially the early fruits. Very productive; the plants have many short joints at which clusters of fruits are formed; they are borne freely all over the vine, are uniform in size, solid and heavy and with hardly a trace of a core. The globe shape allows more slices from each fruit than other varieties. Probably no other tomato is as nearly blight proof. A remarkably good keeper, and even when picked quite green, it ships well and colors up handsomely. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00; lb., \$3.25.

BUCHANAN'S BRIMMER TOMATO

397—BUCHANAN'S BRIMMER TOMATO—The largest of all Tomatoes. Single Tomatoes weighing 3 pounds and 18 inches around have been grown by training to a single stem. It must be staked. The Brimmer has no core, very few seeds and is solid and nearly all meat. It is an early variety and continues to bear the large sized fruit all through the season. Even though so large, fruits are well shaped, purplish pink and make the finest slicing Tomatoes, remarkably free from acidity, which keeps some people from eating Tomatoes. Grow the biggest and best Tomatoes with Brimmer. Packet, 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.00; lb., \$7.50.

BUCHANAN'S GREATER BALTIMORE TOMATO

398—GREATER BALTIMORE—Mid-season, red, very heavy and extremely firm, thick meat. Fruit ripens evenly, free from ridges and cracks, fine cropper even under unfavorable conditions. Great canning variety. We recommend it highly. Packet, 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00; lb., \$3.50.

BUCHANAN'S TRUCKER'S FAVORITE TOMATO

387—TRUCKER'S FAVORITE (Red)—Extra large, smooth bright red. Used in some parts for winter shipment and a standard for canning. Packet, 10c; ½ oz., 15c; oz., 25c; ¼ lb., 90c; lb., \$3.00.

BUCHANAN'S GOLDEN QUEEN TOMATO

380—GOLDEN QUEEN—Very handsome and the best large smooth yellow tomato Meaty, solid and sweet, with bright golden yellow color. Packet, 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.25; lb., \$3.50.



FLOWER SEED PLANTING TABLE

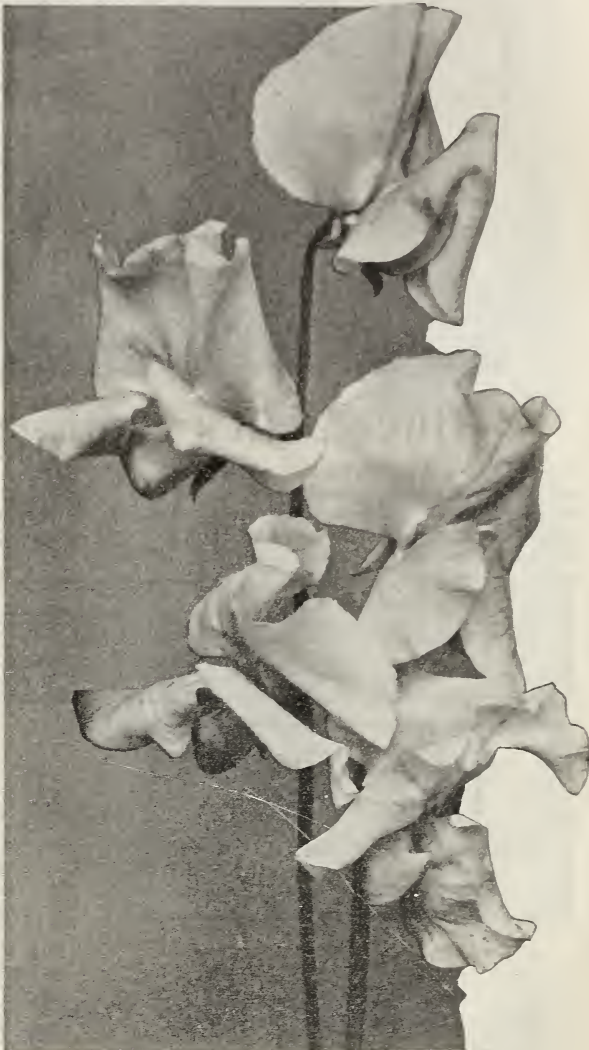
This table is for middle South climate and conditions. Allowances must be made. It is only a general guide. Abbreviations: T, tender; H, hardy; H H, half-hardy; A, annual; B, biennial; P, perennial. Months are numbered; 1, January; 2, February; etc.

NAME	Height of Plant	Shade of Plant	Color of Flowers	Good Cut Flowers	Best Use	Location Sun-Shady	Months to Plant	Months to Transplant	Blooming Months
Abronia, HHA	6-9 in.	trailing	yellow, pink	no.	edging	sunny	4-5	thin	6-10
Abutilon, TP	36-48 in.	bushy	many	no.	potting	shady	3-4	4-5	5-11
Ageratum, HHA	8-24 in.	bushy	blue, white	yes	bedding	sunny	1-4	4-5	6-11
Allysum, HHA	2-12 in.	spreading	white	fair	edging	sunny	3-4	thin	5-11
Amaranthus, TA	24-60 in.	bushy	many	yes	bedding	sunny	3-5	4-5	6-10
Anagallis, A	3-15 in.	bushy	many	yes	bedding	sunny	3-5	thin	6-10
Antirrhinum, HA	3-15 in.	bushy	many	yes	bedding	any	3-5	4-5	6-10
Aquilegia, HP	24-48 in.	branchy	several	yes	borders	any	3-5	10-11	5-6
Asters, A	12-30 in.	bushy	many	yes	bedding	any	1-6	4-5	6-11
Balloon Vine, A	8-10 ft.	vine	white	no.	shade	sunny	4-5	thin	6-10
Balsam, A	18-30 in.	erect	many	fair	border	sunny	3-5	4-5	6-10
Balsam Apple, A	15 ft.	vine	orange fr.	no.	novelty	sunny	4-5	thin	6-10
Cacalia, A	15-20 in.	bushy	reds	yes	border	sunny	3-4	thin	5-9
Calendula, HA	12-36 in.	bushy	yellows	yes	bedding	sunny	1-4	3-5	6-11
Calliopsis, HA	12-36 in.	bushy	yellows	yes	bedding	sunny	1-4	thin	6-10
Candytuft, HA	12-18 in.	bushy	many	yes	bedding	sunny	3-4	thin	6-9
Canna, TP	30-72 in.	erect	many	no.	bedding	sunny	2-3	4-5	7-11
Canterbury Bells, B	18-42 in.	bushy	many	fair	border	sunny	3-9	4-5	6-7
Carnation, P	18-36 in.	bushy	many	yes	bedding	sunny	2-3	4-5	6-10
Celosia, HHA	24-36 in.	bushy	red, yellow	fair	bedding	sunny	3-5	thin	6-11
Centurea, HA	24-36 in.	erect	many	yes	bedding	sunny	2-5	thin	6-9
Chrysanthemum, A	24-36 in.	bushy	several	yes	bedding	sunny	3-5	thin	7-11
Clarkia, HA	15-30 in.	bushy	several	yes	border	any	3-5	thin	6-10
Cleome, HA	36-48 in.	branchy	pink, white	yes	border	sunny	4-5	thin	7-11
Coclea Scandens, P	15-30 ft.	vine	purple	no.	climbing	sunny	3-5	4-5	6-8
Coleus, TA	12-24 in.	bushy	white	no.	bedding	sunny	2-3	4-5	for lvs.
Cosmidium, A	18-30 in.	bushy	yellow	yes	bedding	sunny	4-5	thin	6-10
Cosmos, A	48-72 in.	bushy	several	yes	bedding	sunny	4-5	thin	7-11
Cyclamen, TP	8-12 in.	bushy	many	no.	potting	indoors	9-3	twice	1 year
Cynoglossum, P	18-24 in.	bushy	blue	yes	border	sunny	3, 8	4-5, 10	5-7
Cypress Vine, TA	10-18 ft.	vine	red, white	no.	climbing	sunny	4-5	thin	6-11
Dahlia, TP	36-72 in.	bushy	many	yes	bedding	sunny	2-3	4-5	7-11
Daisy, HP	10-30 in.	bushy	white, pink	yes	edging	any	2-3, 8	3-4, 10	5-10
Delphinium, P	36-60 in.	tall	blues	yes	borders	sunny	1-3, 8	3-4, 10	5-7, 10
Dianthus, HA	12-15 in.	bushy	many	yes	bedding	sunny	3-5	thin	5-11
Didiscus, TA	24-36 in.	slender	blue	yes	cutting	shady	2-3	4-5	6-11
Digitalis, B	30-48 in.	erect	many	yes	border	shady	2-3, 8	3-4, 10	5-7
Dolichos, TA	10 ft.	vine	several	no.	climbing	sunny	4-5	thin	6-8
Eschscholtzia, A	10-12 in.	bushy	several	yes	bedding	sunny	3-5	thin	6-9
Flax, Scarlet, HA	12-18 in.	clump	red	no.	bedding	sunny	3-4	thin	5-10
Forget-Me-Not, TP	8-12 in.	bushy	blue, white	yes	edging	shady	3-4	thin	4-5, 10
Four O'Clock, HA	24-30 in.	bushy	many	no.	border	sunny	3-4	4-5	8-11
Gaillardia, P	18-30 in.	bushy	red, gold	yes	bedding	sunny	2-4	4-5	6-11
Gilia, A	24-36 in.	bushy	blue	yes	bedding	sunny	3-5	thin	6-10
Globe Amaranth, TA	12-18 in.	bushy	purple, white	yes	bedding	sunny	4-5	thin	7-10
Godetia, A	12-18 in.	erect	many	yes	border	any	3-5	thin	6-10
Gypsophila, A	18-24 in.	branchy	white	yes	border	sunny	4-5	thin	6 wks.
Helichrysum, HA	24-36 in.	bushy	many	yes	bedding	sunny	2-4	4-5	6-10
Heliotrope, TP	18-24 in.	bushy	several	fair	bedding	shady	2-5	4-5	5-11
Hibiscus, TP	24-60 in.	branchy	several	fair	specimen	sunny	3-4	thin	6-9
Hollyhock, P	5-8 ft.	slender	many	yes	border	moist	2-3, 8	3-4, 10	6-9
Hop, Japanese, TP	10-20 ft.	vine	var. lvs.	no.	shade	sunny	4-5	thin	var. lvs.
Hummelania, A	24 in.	bushy	yellow	yes	border	sunny	4-5	thin	9-10
Ice Plant, TA	24-36 in.	trailer	several	no.	edging	sunny	4-5	thin	5-11
Ivy, Kenilworth, HP	36 in.	trailer	lilac	no.	trailing	any	3, 8	4, 10	various
Kochia, TA	36 in.	bushy	red	no.	border	sunny	3-4	thin	9-11
Kudzu, P	50 ft.	vine	purple	no.	shade	any	3-4	4-5	4-5
Lantana, A	24-36 in.	branchy	several	yes	bedding	sunny	2-4	4-5	6-10
Larkspur, P	36-48 in.	tall	many	yes	bedding	sunny	3-5	thin	6-10
Lathyrus, P	6-12 ft.	vine	pink, white	yes	blanket	shady	1-4	3-4	6-10
Lobelia, TA	6-8 in.	bushy	blue	fair	edging	sunny	3-4	3-5	6-10
Lupine, HA	24-30 in.	erect	several	yes	border	shady	4-5	thin	6-9
Marigold, HA	8-30 in.	bushy	yellows	yes	bedding	sunny	3-5	4-5	6-11
Matricaria, HHP	18-24 in.	bushy	white	yes	bedding	sunny	3-4	thin	7-11
Mignonette, TA	10-12 in.	erect	several	yes	edging	sunny	4-5	thin	6-8
Mimulus, TP	12 in.	trailing	many	no.	border	shady	3-4	4-5	6-8
Morning Glory, A	20-50 ft.	vine	many	no.	shade	sunny	3-5	thin	6-11
Nasturtium, A	12 in. 8 ft.	bush, vine	many	yes	edging	sunny	4-6	thin	5-11
Nicotiana, TA	30-42 in.	branchy	several	yes	border	sunny	3-5	5	6-8
Nigella, HA	18-24 in.	bushy	blue white	yes	border	sunny	3-5	thin	6-8
Oenothera, A	36-48 in.	bushy	yellow	no.	border	sunny	3-4	thin	5-9
Oxalis, A	4-6 in.	bushy	several	no.	edging	sunny	3-5	thin	6-11
Pansy, HA	4-6 in.	clump	many	yes	edging	any	1-3, 9	3-4, 10	4-6, 10
Passion Flower, A	15 ft.	vine	blue	no.	climbing	any	2-3	4-5	6-10
Petunia, HA	18-24 in.	bushy	many	fair	bedding	any	2-5	4-5	5-10
Phlox, HHA	12-18 in.	bushy	many	yes	bedding	sunny	3-5	thin	6-9
Poppy, HA	24-60 in.	erect	many	yes	bedding	sunny	1-4	thin	6-9
Portulaca, TA	4-6 in.	spready	many	no.	edging	sunny	4-5	thin	6-10
Ricinus, TA	5-10 ft.	branchy	bronzels	no.	massing	sunny	4-5	thin	big lvs.
Salpiglossis, HHA	18-30 in.	bushy	many	yes	border	any	3-5	4-5	6-11
Salvia, A	24-42 in.	bushy	red, blue	yes	bedding	sunny	3-5	4-5	6-11
Scabiosa, HA	24-30 in.	bushy	many	yes	bedding	sunny	3-5	4-5	6-11
Scarlet Runner, A	10-12 ft.	vine	red	no.	climbing	sunny	4-5	thin	6-10
Stocks, A	24-30 in.	bushy	many	yes	bedding	sunny	3-5	4-5	6-8
Sunflower, A	48-72 in.	erect	yellow	yes	borders	sunny	4-5	thin	7-8
Sweet Pea, HA	4-8 ft.	vine	many	yes	cutting	sunny	12-3	thin	3-6
Sweet William, B	12-24 in.	bushy	many	yes	bedding	sunny	1-4	3-4	5-6
Verbena, HHP	6-10 in.	spready	many	yes	edging	sunny	2-5	3-5	6-10
Vinca, A	15-18 in.	bushy	pink, white	fair	bedding	sunny	2-5	4-5	6-11
Wallflower, HHP	12-18 in.	bushy	many	yes	bedding	sunny	3-5	4-5	6-7
Zinnia, HHA	24-36 in.	bushy	many	yes	bedding	sunny	3-5	4-6	6-11

Buchanan's California Grown Spencer Sweet Peas

CULTURE—Sow in January, February, March or April. Cover seed 2 to 4 inches, according to depth of your trench. The soil for Sweet Peas should be rich and deep, with Pulverized Sheep Manure in it. On high and dry soils they may be sown in drills from 4 to 6 inches deep, covered with an inch or two of soil pressed firmly, and the furrow filled in as the plants grow. When the seed is well above the ground, the little plants should be thinned out so as to be at least from 2 to 4 inches apart.

All Prices on this Page Post Paid All 10c Pkts. 3 for 25c		Pkt.	Oz.	¼ Lb.
850	WHITE (King White). Remarkable for the glistening purity of the whiteness and the perfect finish of the flower. Of gigantic proportions. Strong and very free-flowering. It is the finest white-seeded white variety, altogether free from any color. Of exquisite form and texture.....	.10	.40	1.40
851	DEEP PINK (Hercules). This is a magnificent deep rose-pink. The standard is of enormous size. The whole flower is of excellent form.....	.10	.40	1.40
852	BLUE (Wedgwood). The flowers are a bright delphinium blue. They are very large, of heavy substance, and beautifully waved; borne with the greatest freedom invariably in fours on a stem of great length.....	.10	.40	1.40
853	DEEP CERISE (Fiery Cross). The standard is a scorching deep cherry red with an orange-scarlet suffusion. The wings are a rich cherry orange, harmonizing with the standard.....	.10	.40	1.40
854	LAVENDER (Florence Nightingale). A soft, clean, rich lavender, enlivened by a faint sheen of rose pink. Of large size, well formed and free blooming.....	.10	.40	1.40
855	MAROON (Warrior). The color is a rich reddish maroon flushed with bronze. Lovers of dark shades will appreciate this fine color. A strong grower and free bloomer, with large well-waved blooms.....	.10	.40	1.40
856	SALMON (Helen Lewis). A rich apricot pink or salmon colored flower; large, long stemmed flowers.....	.10	.40	1.40
857	CREAM (Dobbie's Cream). A strong growing, cream or primrose. A profuse blooming variety, with large, much-waved flowers.....	.10	.40	1.40
875	MIXED (Buck Brand Spencer Mixed). A splendid mixture of Spencer named varieties that will afford a variety of blooms of improved forms and in the widest possible range of desirable colors.....	.10	.35	1.25



Spencer Sweet Peas

10

880 Buchanan's Collection of Buck Brand Spencer Sweet Peas, full size 10c packets of 10 separate colors, post paid.....

75c

EARLY OR WINTER FLOWERING SPENCER SWEET PEA—A new race of Sweet Peas, having the large-waved flowers of the Spencer type, but flowering fully one month earlier; they also continue to flower for a much longer period. Excellent for greenhouse planting.

	Pk.	½ Oz.	1 Oz.
825 WHITE (Improved Snowstorm). This is by far the finest of all white winter flowering varieties. The flowers are extra large and of fine form.....	.25	.45	.80
826 CRIMSOM (Grenadier). The color is rich, poppy-scarlet. The flowers are borne on long stems.....	.25	.45	.80
827 LAVENDER (Harmony). A very beautiful clear lavender of vigorous growth; free blooming.....	.25	.45	.80
828 BICOLOR (Columbia). The standard is a rich rose-pink; wings a fine delicate creamy rose.....	.25	.45	.80
829 ROSE (Zvolanek's Rose). A giant rose pink. The flowers are of largest size and usually borne in fours.....	.25	.45	.80
830 BLUE (Bluebird). This is a charming shade of blue, somewhat similar to Wedgwood.....	.25	.45	.80
831 ORANGE-SCARLET (Glitters). The standard is a bright fiery orange, and the wings are deep orange. Very beautiful.....	.25	.45	.80
832 MIXED. This is a carefully composed blend of the finest of the many named varieties of Early Flowering Spencers.....	.25	.35	.65
834 BUCHANAN'S COLLECTION OF EARLY OR WINTER FLOWERING SPENCER SWEET PEAS. One packet each of seven separate colors.....	\$1.50		

All Seeds listed on this page are delivered transportation paid in the U.S. or possessions. ORDER EARLY.



FLOWER SEEDS

Buchanan's California-Grown Flower Seeds

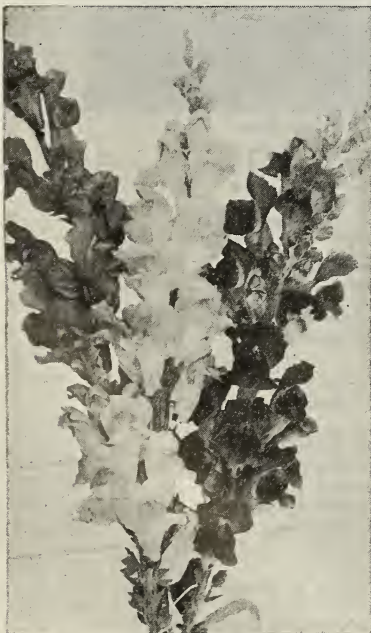
CULTURAL DIRECTIONS are printed on the packets. By following them almost any person will have fair success in the culture of flowers. While some seeds need special treatment, the following general rules will apply to all: Make the surface of the soil as fine, smooth and level as possible; do not plant when the ground is wet; cover each lot of seeds to a uniform depth, which should not be more than four or six times the diameter of the seed; press the soil firmly over the seed; plant in rows so that the starting plants can be seen easily, thin out the young plants to prevent crowding and keep entirely free from weeds. Never allow the seedlings to suffer from drouth.

We devote the next 12 pages of this catalogue to flower seed, and want you to know that our flower seed are grown in California by a grower who has had a generation of experience—grows more than 1000 acres in flowers, and was awarded a gold medal on Dahlia Flowered Zinnias by the Royal Horticultural Society of England at their London Show in 1924.

We give the same careful attention to flower seed as to vegetable and field seed and after 19 years' experience, believe that there is no finer flower seed grown than those offered here—pay particular attention to pages 48 and 49 on Zinnias.

Ornamental and Foliage Plants

Amaranthus Canna Coleus
Kochia Ricinus



Snap Dragon (Antirrhinum)

All Prices on this Page Post Paid
All 10c Pkts. 3 for 25c

	Pkt.	Oz.
400 ADONIS (Aestivalis, Flos Adonis, One Foot). Pretty little plant with feathery, fresh green foliage, dotted with innumerable small blood-red flowers.....	10	.50
AGERATUM. One of the best summer-blooming plants. They are rapid growers and constant bloomers. During the hot, dry summer months their bright flowers are produced in the greatest profusion of charming blue or white flowers.		
501 LITTLE GEM (Blue).....	10	.60
502 MIXED.....	10	.50
504 LITTLE GEM ALYSSUM. The finest white variety having large flowers. Very fragrant.....	10	.75
505 SWEET ALYSSUM. The regular type, strong grower, free bloomer.....	10	.40
503 SAXATILE COMPACTUM. Yellow.....	15	1.25
508 AMARANTHUS (Mixed). Brilliant foliage plant. Useful for bedding.....	10	1.00
508A CAUDATUS (Love Lies Bleeding). Three foot with drooping red spikes.....	10	.25
ANTIRRHINUM (Snap Dragon). Beautiful spikes of gaily colored flowers. They are one of the best cut flowers which can be grown from seed, while for beds or borders they are a pleasure, being in flowers all the time if placed in a sunny position.		
		Pkt. 1/4 Oz.
TALL FLOWERING VARIETIES		
510 BUTTERFLY, STRIPED.....	10	.50
511 GOLDEN KING (Yellow).....	10	.50
512 VENUS (Pink and White).....	10	.50
513 ROSE QUEEN (Rose Pink).....	10	.50
514 FIREFLY (Scarlet).....	10	.50
517 Buchanan's Collection of Tall Flowering Antirrhinum (Snap Dragon). One packet each of five separate colors..40c		
ANTIRRHINUM MIXED		
515 TALL MIXED.....	10	.40
515A SILVER PINK. Pearly pink self.....	10	.50
516 DWARF MIXED.....	10	.40
AQUILEGIA (Columbine)		
520 SINGLE (Finest Mixed).....	10	.50
521 DOUBLE (Finest Mixed).....	10	.50

Seeds listed on this page are delivered transportation paid in the U. S. or possessions. ORDER EARLY.



BUCK BRAND TESTED SEEDS

All Prices on this Page Post Paid
All 10c Pkts. 3 for 25c

Pkt. 1/4 Oz.

ASTERS. This has become one of the most popular, beautiful and effective garden plants, growing from 10 to 24 inches high. Sow the seed early in the spring, under glass or in pots, in the house, and transplant into rich soil.			
GIANT COMET ASTER. Flowers of immense size, often 6 inches across. Long, wavy, twisted petals, gracefully formed into loose yet dense globe, resembling Chrysanthemums, 12 to 16 inches in height.			
522 PURPLE	524 CLEAR ROSE		
523 PURE WHITE	525 LIGHT BLUE		
	526 SCARLET		
Price, any of the above varieties.....		10	.65
532 Buchanan's Collection of Giant Comet Asters. One packet each of four separate colors.....			30c
527 GIANT COMET MIXED.....		10	.50
528 ASTER (Peony Flowered). Large and double mixed.....		10	.75
529 ASTER (Victoria). Imbricated petals; large flowers.....		10	.75
530 ASTER (China, Mixed). Well known, hardy variety.....		10	1.00
531 IMPROVED BRANCHING. Large flowers; mixed		10	.75
BACHELOR'S BUTTON (Gomphrena). Bushy plants, about 2 feet high. The flowers are useful for dried winter bouquets. If cut before they are fully ripe and allowed to dry in a dark, airy room, they will retain their color the whole winter season.			
534 Mixed Colors.....		10	.25
536 BALLOON VINE. A rapidly-growing annual climber, with white flowers and inflated seed pods which look like small balloons. Succeeds best in warm soil; 10 feet.....		10	.15
BALSAM (Touch-Me-Not).			
537 BALSAM (Camellia Flowered Mixed).....		10	.25
538 BALSAM APPLE.....		10	.25
539 BALSAM (Pear).....		10	.25
540 BEANS (Scarlet Runner). 15 feet. This bean produces a rapid growing vine and makes clusters of showy scarlet bloom.		10	....
BELLIS (English Daisy). It blooms from early spring to well on in the summer. Easily raised from seed, which may be sown any time from spring till August. For best results new plants should be raised from seed each year.			
541 Double Mixed.....		10	1.00
544 BRACHYCOME (Swan River Daisy). Dwarf annuals, which bloom nearly all summer. Suitable for baskets and edgings.			
Mixed Colors		10	.30
543 CHILDSII (Chinese Wool Flower). Finest mixed. Plants grow 2 to 3 feet. A very distinct form of the feathered cockscomb, with large woolly silky flower heads, very decorative for borders		10	.65
CALENDULA (Pot Marigold). Calendulas bloom all summer and thrive anywhere, especially in city gardens. The graceful, star-shaped flowers exhibit every shade of yellow from ivory to deep orange. Well adapted for cutting, being borne upon long stems.			
545 Mixed. All the double sorts.....		10	.25
CALLIOPSIS. Showy, beautiful, free-blooming plants, producing large, bright flowers of rich and charming colors throughout the entire summer. Mainly hardy annuals; 1 to 2 feet high.			
546 Best Mixed		10	.25



Comet Asters



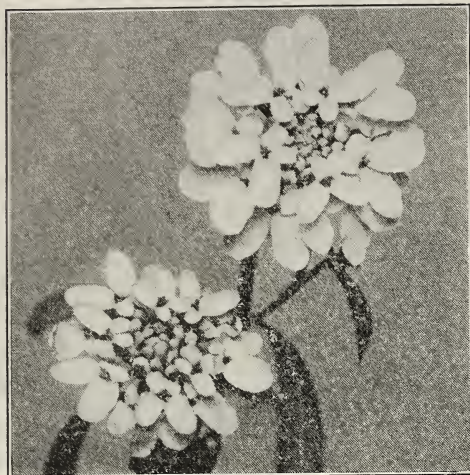
Balsam



Calliopsis

756 WILD FLOWER GARDEN MIXTURE. This Wild Flower Garden is a mixture of a great many varieties which will bloom throughout the season and provide many beautiful bouquets. The children would be especially interested in such a garden as they can pick a great many different kinds of flowers. Prepare the soil well and sow the seed very thinly so as to give the plants a chance to develop properly. Price, pkt. 10c; oz., 25c.

860 BUCK BRAND FLOWER SEED COLLECTION. For 50c we will send you, postpaid, to any P. O. in the U. S., the following 12 packets of flower seed: Alyssum, Sweet; Pink, Mixed; Morning Glory, Mixed; Petunia, Mixed; Candytuft, Mixed; Four o'Clock, Mixed; Sweet Peas, Mixed; Nasturtiums, Tall; Phlox, Mixed; Cosmos, Mixed; Gourds, Mixed; Pansy, Mixed. 12 10c Size Packets, postpaid, for 50 cents.



Candytuft



Canterbury Bell



Morning Glories

All Prices on this Page Post Paid
All 10c Pkts. 3 for 25c

		Pkt.	¼ Oz.
547	CANARY BIRD VINE. Grows to a height of 15 feet. Has beautiful foliage and yellow flowers.....	10	....
	CANDYTUFT. A dwarf annual of easiest culture; free-blooming, showy, and useful for beds, borders and edgings. Sow seeds where plants are to bloom, in rows 6 or 8 inches apart, thinning out to afford plenty of room, as they branch quite freely. Height 1 ft.		
548	Mixed.....	10	.25
	CANNAS (Indian Shot). These very attractive summer bedding plants can be grown readily from seed. The seed is extremely hard and should be soaked in warm water until swollen. Sow singly in small pots of sandy soil and set in a warm place, preferably a hotbed or sunny window. Set out in June where they are to flower.		
549	Large-Flowered Mixed.....	10	....
	CANTERBURY BELL. Handsome, hardy biennial of stately growth, rich color and profuse bloom. Has large bell-shaped flowers, are effective in various colors. Height 2 to 4 feet.		
550	Mixed.....	10	.75
551	CARDINAL CLIMBER. A new and brilliant colored annual climber. Flowers glowing scarlet. 1½ inches in diameter, the tube being 1¼ inches in length. Vines attaining a height of from 20 to 30 feet.....	10	.60
	CARNATION. Although half-hardy perennials, they begin flowering in a few weeks from time of sowing. They are especially adapted for outdoor culture.		
552	Margaret—Giant Mixed. Immense double flowers.....	10	1.00
	CELOSIA (Cockscomb). 1 foot. Of easy culture. Thrives in light soil. Fine border plants, in bloom from mid-summer until frost. When grown as large specimens they are of unrivaled beauty. For filling flower beds and borders these plants are now largely used during summer in city parks.		
555	Tall Cockscomb, Mixed.....	10	.50
556	Dwarf Cockscomb, Mixed.....	10	.75
	CINERARIA HYBRIDA. A decorative and ornamental plant for winter decorations.		
559	Choice Mixed.....	25	6.00
	CHRYSANTHEMUM. Very showy and easily grown, producing single and double flowers of various colors.		
560	Single Mixed. Fine for cutting and makes a pretty display in the garden.....	10	.40
561	Double Mixed. Many colors, red, white, yellow, pink and rose.....	10	.50
562	COBEA SCANDENS (Cup and Saucer Vine). A climber of rapid growth; valuable for covering trellises, arbors, trunks of trees, etc.; large.		
	Mixed.....	10	.25
	COLEUS. Plants with richly colored foliage of maroon, green, crimson, yellow, etc. For groups on lawns, and rib-boning, they are indispensable, and also valuable for pot culture.		
563	Choice Mixed.....	10	....
	CONVOLVULUS (Morning Glory). Thrives anywhere. Showy flowers in a variety of colors. Sow where plants are to bloom.		
564	Major (Pink).....	10	.20
565	Major (Blue).....	10	.20
566	Major (Rose).....	10	.20
567	Major (Crimson).....	10	.20
568	Major (Mixed).....	10	.20
570	Major (Double Mixed).....	10	.20
569	Japanese Mixed. New improved Japanese Convolvulus flowers measuring from 4 to 5 inches across; great variety of colors.....	10	.20
	CORNFLOWER. A graceful, old-fashioned plant, which blooms freely throughout the entire summer and usually re-seeds itself. They will grow in most any soil, and are in great demand as cut flowers.		
572	Double Blue.....	10	.25
573	Double Mixed.....	10	.25
573A	PINK SHADES (Double Pink).....	10	.25



BUCK BRAND TESTED SEEDS

All Prices on this Page Post Paid
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Pkt. 1/4 Oz.

COREOPSIS. Hardy, easily grown perennial, 2 ft high. Producing large bright yellow flowers in great profusion.			
574	Choice Mixed.....	.10	.25
COSMOS (Giant). Flowers measure from 4 1/2 to 5 inches across, petals fringed, pinked, toothed and plain, and in colors from pure white through shades of pink and red to rich dark red.			
575	Giant White, 576 Giant Crimson.....	.10	.20
577	Giant Pink, 579 Giant Mixed.....	.10	.20
578	Klondyke. Large, orange-colored flowers.....	.10	.20
580	Early Flowering—Mixed.....	.10	.40
DOUBLE CRESTED OR ANEMONE FLOWERED (Late). These differ from the other Cosmos in the formation of the center of the flower. This develops a crown or crest like an anemone. The guard petals remain the same.			
581	Pink Beauty 581A Crimson King.....	.15	.60
581B	White Queen 581C Choice Mixed.....	.15	.60
585	WILD CUCUMBER. It will reach a height of 30 feet in one season. It is thickly dotted over with pretty, white, fragrant flowers, followed by quantities of ornamental seed pods.....	.10	....
586	CYPRESS VINE. 15 feet; rapid growing climber; fine for trellis; star-like red and white flowers and feathery foliage....	.10	.20
CLARKIA. 2 ft. A popular summer annual, can be grown in ordinary soil.			
587	Apple Blossom. Double Pink.....	.15	.35
587A	Salmon Queen. Double Salmon.....	.15	.35
587B	Scarlet Queen. Double Orange Scarlet.....	.15	.35
587C	Choice Mixed.....	.15	....
DAHLIA. A favorite for autumn flowering, blooming the first season from seed if started early. The flowers are so symmetrical and perfect and the range of colors so wide and varied that they will always be popular where display is wanted.			
588	Finest Single Mixed. Will produce brilliant flowers running through a wide range of striking colors.....	.10	.50
589	Finest Double Mixed. Seeds saved from choicest double flowers, including shades of red, pink, dark maroon, yellow, white, etc.....	.10	1.00
590	Cactus—Mixed.....	.10	1.00
(See Page 59 for Dahlia Bulbs)			
593	DAISY (Shasta). Flowers snowy white with yellow center; freely produced on strong, wiry stems, about 2 feet in length...	.10	.75
594	Double Mixed.....	.10	.75
599	DIDISCUS COERULEUS (Blue Lace Flower). Grows 2 ft. high, long stems, produces lavender flowers. Constant bloomer.....	.10	.50
DELPHINIUM (Hardy Perennial Larkspur). Among the best plants for mixed borders. Perennial Larkspurs grow better than annual varieties; they should be planted further apart.			
600	Single Mixed, 601 Double Mixed.....	.10	.75
DIANTHUS OR PINKS. An old favorite which blooms constantly all summer. The flowers are brilliantly colored and very fragrant.			
602	Heddewegi (Japanese Pinks). Large double flowers with brilliant colorings. They bloom from June until frost.....	.10	.25
603	Chinese—Double Mixed 604 Chinese—Single Mixed...	.10	.25
ESCHSCHOLTZIA (California Poppy). A hardy free-flowering annual, growing about 15 inches high and producing quantities of single, poppy-shaped blooms in shades of yellow, orange and red. Flowers over a long period.			
660A	Dainty Queen. Coral Pink.....	.15	.50
660B	The Geisha. Orange Crimson.....	.15	.50
660C	Scarlet Beauty.....	.15	.50
660D	Purple Glow.....	.15	.50
606	Mixed.....	.10	.35
610	FORGET-ME-NOT. A pretty little old-fashioned perennial, producing its flowers in early summer. Quite hardy once it is established; flowers blue.....	.10	.35
610A	CYNOGLOSSUM. Amabile (Chinese Forget-Me-Not) Blue flowers.....	.15	.50
FOUR O'CLOCK (Marvel of Peru). A handsome, free-flowering plant. They open their blossoms about 4 o'clock in the afternoon, hence their name.			
612	Mixed.....	.10	....
FOXGLOVE (Digitalis). Grows to the height of 3 or 4 feet, with dense spikes of brilliantly colored flowers which are terminal and half as long as height of plant.			
613	Mixed.....	.10	.50



Cosmos



Dianthus or Pinks



Double Dahlia



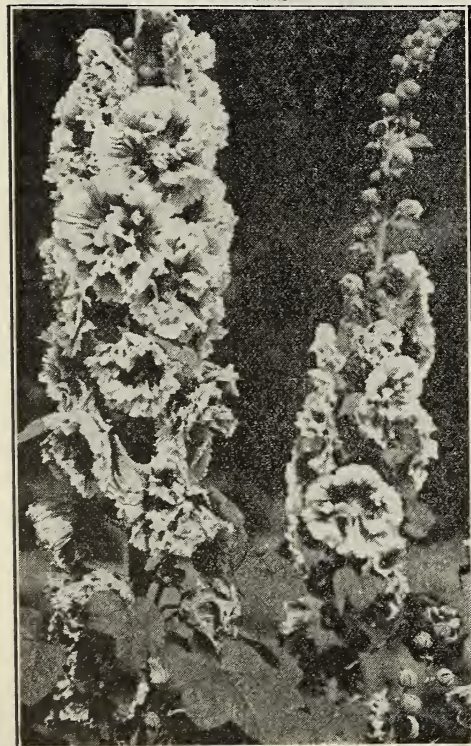
BUCK BRAND TESTED SEEDS



Gaillardia



Helianthus



Hollyhocks

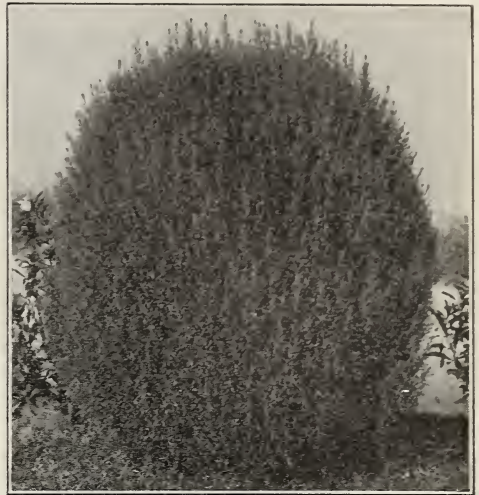
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	Pkt.	1/4 Oz.
615 GAILLARDIA (Blanket Flower)—Remarkable for the profusion, size and brilliancy of their flowers. Continuing in bloom from early summer till November; excellent for beds, borders or for cutting; should be sown where they are to bloom; 1½ feet. Fine colors, mixed.....	.10	.35
GERBERA (Transvaal Daisy).		
616 Mixed.....	.10	....
GERANIUM. Grows 1 to 2 ft. high. These grow readily from seed the first year and produce blooming plants the first summer.		
618 Choice Mixed.....	.15	1.00
617 GODETIA. Sow in the open ground in the early spring. They are profuse and constant bloomers, and their delicate tints of crimson, rose-pink and white make them very attractive when in full bloom. Half dwarf varieties mixed.....	.10	.35
GILIA (Blue Thimble Flower). Beautiful bushy plant of erect habit with fine feathery foliage covered all summer with rich lavender blue flowers.		
619 Choice Mixed.....	.10	.25
GOMPHRENA (Globe Amaranth). A desirable everlasting, valued for its handsome, globular heads of flowers which can be dried and used in winter bouquets.		
620 Mixed.....	.10	.25
GOURDS. A tribe of climbers with curiously shaped and colored fruit. Being of rapid growth they are fine to cover old fences, trellises, stumps, etc.		
622 Calabash Pipe Gourd, 623 Dipper Gourd.....	.10	.20
624 Dish Rag or Luffa, 625 Orange Gourd.....	.10	.20
626 Sugar Trough, 627 Nest Egg Gourd.....	.10	.20
628 Mixed.....	.10	.20
GYPSOPHILA (Baby's Breath). Graceful plants of fairy-like foliage.		
630 Flowers—White, 631 Mixed.....	.10	.25
631A Rose.....	.10	.25
HELIANTHUS (Sunflower)—3 to 6 feet. The state flower of Kansas. Of easiest culture. Suitable for backgrounds, screens and to plant among shrubbery. In bloom from June until frost.		
632 Dwarf Mixed 633 Tall Mixed.....	.10	.20
634 Stella (Miniature Sunflower). Plants grow 3 feet high with many spreading branches. Their large single golden-yellow flowers with black centers are excellent for cutting.....	.10	.35
HELICHRYSUM (Straw Flower). Bright, attractive summer blooming annual, of free growth, producing in abundance large double red, white, yellow flowers.		
635 Mixed.....	.10	.15
HELIOTROPE. Always popular on account of its delightful fragrance. The seed is rather slow in starting and had best be sown in boxes or in a hotbed. While it is a perennial, it will not stand any frost and is therefore started afresh each year, unless one cares to remove the plants to the house before frost comes. Can be started from cuttings.		
636 Mixed.....	.10	.50
HOLLYHOCK. Grand summer and autumn flowering plants, bearing long spikes of double flowers, 3 to 4 inches across. They are old inhabitants of our gardens, but are now so improved in doubleness and enlarged in size, under our special culture and hybridization, as to be revelations of gorgeous beauty to those who have not seen these improved sorts.		
637 Single Mixed.....	.10	.90
638 Double Mixed.....	.10	.90
640 Double, Red.....	.10	.90
641 Double, White.....	.10	.90
642 Double, Pink.....	.10	.90
643 Buchanan's Collection Hollyhocks. One packet each of three separate colors.....	.25c	

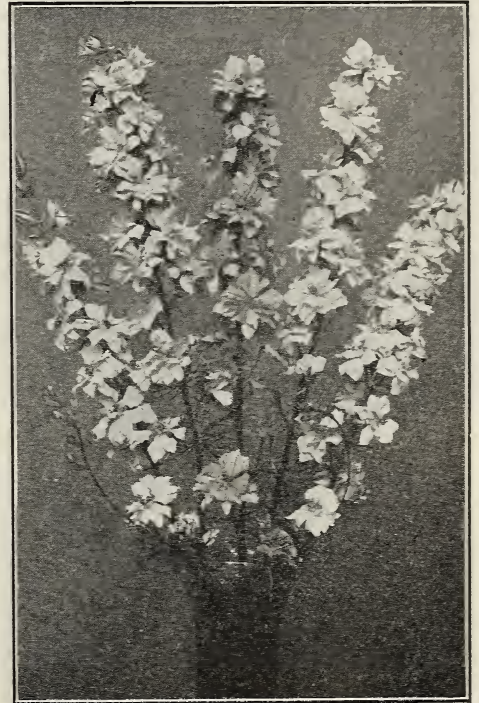


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	Pkt.	$\frac{1}{4}$ Oz.
644 HUMULUS (Japanese Hop Plant). Climber; 12 feet; grows very rapidly. Has dense leaves; is valuable for covering trellis or porch.....	.10	.25
HYACINTH BEAN. Annual climbers, of rapid growth, 10 feet high, with wistaria-like clusters of flowers, followed by bronzy-purple seed pods.		
645 Purple. Attractive rose-violet flowers with dark ruby-purple seed pods.....	.10	....
646 Mixed.....	.10	....
649 ICE PLANT. A simple trailing plant. Covered with watery vesicles resembling pieces of ice. Suitable for hanging baskets	.10	.35
650 IVY. A climbing vine used mostly on brick walls and brick buildings.....	.10	....
651 JOB'S TEARS—A—2 feet. Broad corn-like leaves and hardy, shiny seeds.....	.10	....
653 KOCHIA—Mexican Fire Plant or Summer Cypress. Makes a pyramidal-shaped, cypress-like bush with feathery light-green foliage, deepening until it becomes a lovely crimson hue about September. Excellent for hedges along garden walks.....	.10	.15
LANTANA. Shrubby plant with Verbena-like flowers in shades of white, red and yellow. May be grown in pots or set out in summer, remains in bloom late in autumn. They have an agreeable aromatic perfume.		
654 Dwarf Hybrids—Mixed.....	.10	.35
LARKSPUR. Popular garden annuals. This splendid class grows 2 to 3 feet high and bears flowers on long stems, rendering them of exceptional value for cutting purposes. The spikes of flowers are of varied shades of red, blue, white, etc. They are of easy culture, thriving in almost any soil—but a sunny situation suits them best. They are of long-continued bloom, keeping up a bright display until cut down by frost.		
656 Exquisite Pink.....	.10	.35
657 Dark Blue.....	.10	.35
658 Lustrous Carmine (Newport Pink).....	.10	.35
659 Emperor Mixed. Produces an abundance of long, slender spikes in the most delicate colors.....	.10	.35
660 Buchanan's Collection of Larkspur. One packet each of three separate colors.....		.25c
LATHRYUS LATIFOLIUS (Perennial Sweet Pea). A decorative climbing sweet pea for growing on fences, etc.		
661 Choice Mixed.....	.10	.50
663 LINUM (Crimson Flax). One of the most brilliantly colored of summer annuals, flowers glowing crimson-rose. Very beautiful in beds and borders, and may be had in bloom from May to October by successive sowings.....	.10	.35
664 LOBELIA. Lobelias require rich soil and plenty of water. The annual varieties, 4 to 6 inches, are extensively used for edging baskets and urns. Mixed.....	.10	.50
MARIGOLD. In late summer, when many bedding plants are past their prime, Marigolds afford a wealth of color that is simply invaluable. The African varieties produce large self-colored blossoms on tall plants; the French are smaller, but the colors and markings are very interesting, some of the varieties being elegantly striped and spotted.		
655 African Tall Double—Mixed.....	.10	.40
666 Orange Queen. Large, perfect double quilled, flowers of a rich, deep, golden-orange color. Very attractive.....	.10	.60
667 Lemon Queen. These are lemon color, but the formation of the flower is exactly like the Orange Queen.....	.10	.60
668 French Dwarf Double Mixed.....	.10	.35



Kochia



Larkspur



Marigold



Mignonette



Nasturtium



Pansies

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All 10c Pkts. 3 for 25c

	Pkt.	1/4 Oz.
MIGNONETTE. No garden is complete without this fragrant, modest-colored flower. Mignonette can be had in bloom at almost any time during the year. The flowers grow closely together in cone-shaped spikes. Splendid in bouquets of more pretentious flowers.		
670 Machet. This improved Machet Mignonette produces broad, cone-shaped spikes of very fragrant red flowers on strong stems, dressed with vigorous foliage, evenly branched and of continuous-blooming habit; one of the best for either garden or pot culture.	.10	.50
671 Sweet. Large flowered, very sweet; light yellowish white. . . . MOON FLOWERS. Tall growing annual climber, related to the family of Morning Glories; have dense foliage; they are useful to cover trellis work, verandas, etc. Plant seeds out of doors when warm weather sets in. Soak them first.	.10	.35
672 White Hybrid. At night and during dull days the plants are covered with an abundance of large, pure white, fragrant flowers	.10	....
673 Bona Nox. Large, fragrant violet blossoms, expanding at night.	.10	....
NICOTIANA (Sweet Scented Tobacco Plant). One of the easiest annuals to raise and one of the most effective. The flowers open toward evening and emit a powerful perfume.		
674 Affinis. White	.10	.35

BUCHANAN'S NASTURTIUMS

Sow the seed where it is to remain late in the spring and after danger of frost is over. It is seldom necessary to thin the young plants, as they will bloom if close together. Nasturtiums prefer dry, rather rocky soil, such as we usually call "poor" soil, and bear their flowers in such locations in greater profusion than in a rich garden, where they run too much to leaves.

	Pkt.	Oz.	1/4 Lb.
This adds to their value for planting over unsightly places.			
675 DWARF MIXED. The plants form a small, round bush, 12 to 16 inches high, which is a mass of bloom all summer. Do not water too much nor sow on rich ground if abundance of bloom is desired. Dwarf Nasturtiums are excellent to line roadways or wherever a tall border is pretty..	.10	.25	.65
676 TALL OR CLIMBING (Mixed). Of quick growth, covering a wall, hedge, or trellis in a short time. The brilliant blossoms almost cover the plant from top to bottom. On cloudy days when "high fog" is overhead, yellow flowers, such as Nasturtiums, are particularly pleasing. A cheerful tone runs through all the shades and the colors are exceptionally bright.	.10	.15	.50
677 NIGELLA (Love-in-the-Mist). A compact, free-flowering plant with finely cut foliage, curious looking seed pods; of easy culture, growing in any garden soil. Blue and white mixed..	.10	.35	
678 Miss Jekyll. A lovely variety, bearing on long stems, large semi-double flowers of a lovely tender blue, nestling in fine feathery foliage.	.10	.35	
OENOTHERA (Evening Scented Primrose). These open their flowers in the evening and one can enjoy a thrill in the garden if they will sit for 15 minutes at twilight and watch the evening primrose unfold their petals.			
679 Evening Primrose Mixed.	.10	.25	
PANSIES. Thrive best in a moist, shady location and in rich, loamy soil. Seed should be sown in the autumn for early spring blossoms, or can be sown early in the year for good flowers late in the spring. The plants must be transplanted twice in order to get the largest flowers—once from the seed-box to a chosen bed, and again to the open garden. This is important if large-sized pansies are desired. Use manure liberally. The blossoms are usually larger in the spring and again in the fall, but are small during the hot months.			
680 Giant Trimardeau Mixed. Our stock of this variety produces as large pansies as can be grown. Flowers of richest, most varied shades, well rounded form and generally marked with three large blotches. Plants very hardy and vigorous. We recommend this mixture as one sure to give general satisfaction where conditions are at all suitable for pansy growth..	.25	1 75	
681 Buck Brand, Mixed. Very large flowers of exceptionally fine form and substance, usually ruffled and beautifully veined and blotched in all the finer and deeper shades and colors found in pansies. Plants are very vigorous.	.10	1.00	



BUCK BRAND TESTED SEEDS

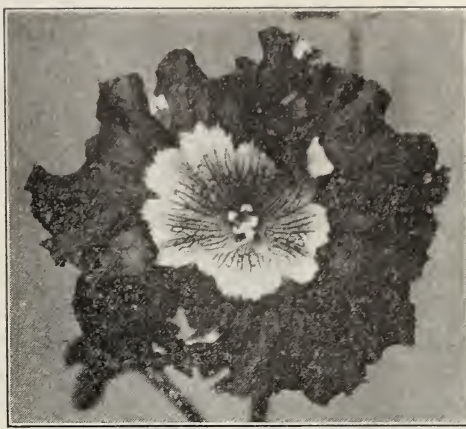
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Pkt. 1/4 Oz.

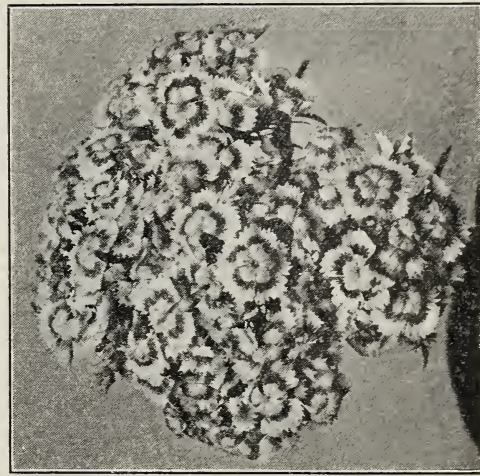
PETUNIAS grow with little attention or care and in any soil when once started and bloom profusely all spring and summer. The large, double varieties do not produce seed, but the pollen from them is artificially crossed on the large, single, and fringed plants, and the seed so produced will make a percentage of double blossoms. The giant-flowered types produce large, single, plain-edged or fringed-edged blossoms, or very thickly double flowers. As Petunia seed is exceedingly fine, start the plants in a box or flower-pot and merely press into the soil after sowing, cover with chopped moss, or sift a little sand over to cover, and, if possible, allow the water to soak up from beneath. The weakest looking plants will develop the handsomest flowers, so save all the plants carefully.

Petunia seed is very fine and very expensive; there is, therefore, but very little seed, almost like dust, in each packet.

- | | | | |
|--|--|------|------|
| 685 | Buck Brand Fringed Mixed. Very strong, vigorous plants with enormous flowers in a great variety of colors, some blotched, some veined and in pretty light shades..... | .25 | .... |
| 686 | Giants of California. A large-flowering strain with fringed and ruffled flowers of rich, velvety colors and deep yellow throats. Mixed..... | .25 | .... |
| 687 | Striped and Blotched. Includes striped or blotched flowers in a wide range of brilliant colors. A fine bedder..... | .10 | .... |
| 688 | Dwarf Mixed. Plants compact growing. A choice mixture of many shades and colors. Very desirable for small beds.... | .10 | .... |
| 689 | Balcony Rose..... | .15 | .... |
| 690 | Balcony Scarlet..... | .15 | .... |
| 691 | Balcony Purple..... | .15 | .... |
| 692 | Balcony Mixed..... | .15 | .... |
| 682 | Buchanan's Collection of Balcony Petunias. One packet each of three separate colors..... | .35c | |
| 693 | Rosy Morn. Compact in habit of plant but producing throughout the summer an abundance of clear rosy pink flowers with white throat. An excellent sort for borders, edgings or porch boxes..... | .10 | .... |
| PHLOX. The Phloxes are the showiest and most easily raised of all Annuals. We know of nothing which produces such a continuous supply of the most attractive flowers in a most wonderful range of colors. All the tints of the rainbow are represented with all possible variations of stripes, veins and eyes of contrasting shades. Seed should be sown in the ground as soon as danger of frost is over and in a few weeks the beds are a blaze of glory. | | | |
| 700 | Drummond-Mixed..... | .10 | .75 |
| 701 | Snowball. Pure white. 702 Fireball. Blood-red..... | .10 | .85 |
| 703 | Star Mixed..... | .10 | .75 |
| 704 | Decussata (Perennial Mixed)..... | .10 | .85 |
| POPPIES. Poppies are noted for their satiny flowers of silk-like texture, in many brilliant color combinations. The foliage is delicate and the blossoms are airily poised on slender stems. If the flowers are gathered early in the morning when the dew is on them, they will remain fresh in water all day. Plant the seed in succession two weeks apart for a continuous bloom all summer. Mix seed with sand before sowing so as to distribute the seed thinly and evenly. | | | |
| 706 | Shirley Mixed..... | .10 | .25 |
| 708 | Tulip..... | .10 | .25 |
| 710 | Peony-Flowered..... | .10 | .25 |
| 707 | Carnation, Mixed..... | .10 | .25 |
| 709 | Oriental, Mixed..... | .10 | .25 |



Buck Brand Fringed Petunia



Phlox



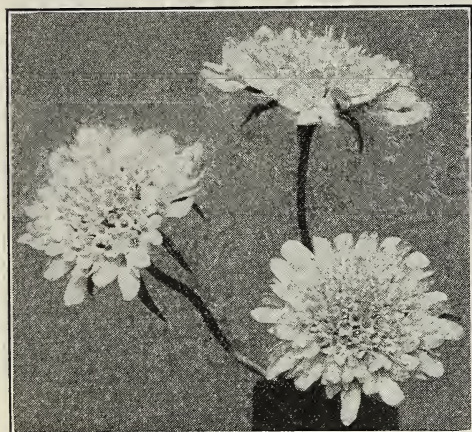
Poppies



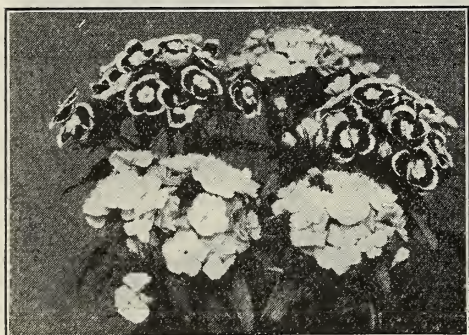
Buchanan's Balcony Mixed Petunias



Salvia



Scabiosa



Sweet William

860 BUCK BRAND FLOWER SEED COLLECTION

For 50c we will send you, postpaid, to any P. O. in the U. S., the following 12 packets of flower seed:

Alyssum, Sweet	Sweet Peas, Mixed
Pink, Mixed	Nasturtiums, Tall
Morning Glory, Mixed	Phlox, Mixed
Petunia, Mixed	Cosmos, Mixed
Candytuft, Mixed	Gourds, Mixed
Four o'Clock, Mixed	Pansy, Mixed

12 10c Size Packets, postpaid, for 50 cents

All Prices on this Page Post Paid

All 10c Pkts. 3 for 25c

	Pkt.	1/4 Oz.
PORTULACA (Rose Moss). Select the hottest, sunniest place for this little plant. Sometimes called "Rose Moss." Forms masses of delicate green foliage covered with bright colored flowers somewhat resembling small roses.		
715 Single, Mixed	716 Double, Mixed	.10 .75
718 RICINUS (Castor Oil Beans). Garden annual of luxuriant growth with large palm-like leaves; very attractive on account of their semi-tropical effect. The colors of the foliage are very rich ranging from green to deep bronze. Desirable for lawns, massing or center plants for beds. Mixed		.10
PYRETHRUM (Foliage Plant.) One of the best plants for edging. Grown for its beautiful yellow foliage.		
717 Aureum (Golden Feather)		.10 .50
720 SALPIGLOSSIS (Painted Tongue). One of the most attractive annuals about 18 inches high, bearing throughout the season large flowers of many beautiful colors, all exquisitely veined and laced; mixed		.10 .25
SALVIA OR SCARLET SAGE		
721 Splendens. The old favorite bedding variety, producing during the summer and fall dazzling scarlet flowers in profusion		.25
722 Bonfire. A new dwarf scarlet sage of dense, compact growth		.25
723 Farinacea. Lavender blue flowers		.25
725 SCARLET RUNNER VINE. This ornamental, rapidly growing annual reaches a height of 15 feet. It produces showy sprays of scarlet sweet pea-shaped blossoms, which are succeeded by delicious edible beans		.10
726 SCABIOSA (Morning Bride). A very beautiful plant and a great favorite with gardeners, splendidly adapted for beds, borders and cutting. The flowers are full, fluffy and exquisitely colored and borne on long graceful stems. Mixed		.10 .50
726A Ageratum Blue	726B Black Prince (Purple)	.10 .50
726C Fiery Scarlet	726D Rose	.10 .50
726E Yellow		.10 .50
728 SCHIZANTHUS (Butterfly Flower). One of our finest annuals, bearing a profusion of pretty butterfly-like flowers of various colors, closely resembling some species of orchids		.10 .50
729 SENSITIVE PLANT. Curious and interesting, pinkish white flowers; the leaves close and droop when touched or shaken		.10 .35
STOCKS (Gilliflower). Stocks are hardy annuals, indispensable in every garden. There are both summer and winter blooming varieties. For either bedding or pot culture they are desirable. Average height of plants 1 1/2 feet.		
731 Dwarf Ten Weeks—Mixed		.10 .75
732 Giant Perfection (Cut-and-Come-Again)—Mixed		.10 .75
735 SWEET ROCKET. This old-fashioned, fragrant flower is of the easiest culture, and bears clusters of white and purple blossoms		.10 .25
SWEET WILLIAM. An old favorite hardy garden plant of easy culture, thriving in any good garden soil and lasting for years. The plants grow about 1 foot high.		
736 Single Mixed	737 Double Mixed	.10 .35
739 THUNBERGIA (Black-eyed Susan). Beautiful, rapid-growing annual climbers, preferring a warm, sunny situation; used extensively for hanging baskets, vases, low fences, etc. Very pretty flowers in buff, white, orange, etc., with dark eyes		.10
VERBENA. One of the most popular garden annuals and lends itself willingly to many uses. For beds, borders and window boxes it is particularly fine.		
741 Mammoth Purple	742 Mammoth Scarlet	.10 .75
743 Mammoth White	744 Mammoth Pink	.10 .75
745 Mammoth Yellow	746 Mammoth Mixed	.10 .75
	747 Choice Mixed	.10 .75
748 Buchanan's Collection of Mammoth Verbenas. One packet each of five separate colors		.35c
VINCA ROSEA (Periwinkle). Ornamental free blooming plants, with dark laurel-like foliage and handsome pink and white flowers. Seed should be sown early.		
750 White	752 White with Eye	751 Pink 753 Mixed ..
754 Buchanan's Collection of Vinca. One packet each of three separate colors		.10 .65
755 WALLFLOWER. An old-fashioned garden flower. The large fragrant spikes are very conspicuous in beds and borders and are very useful in making bouquets. Finest mixed		.10 .50
BUCHANAN'S COLLECTION OF VINE SEED		
861 1 Pkt. each 4 Varieties		.25c
862 1 Pkt. each 10 Varieties		.60c

Buchanan's California Grown Giant Mammoth Zinnias

We have improved this variety to overcome the objectionable feature of the old Giant type; that is, the conical shape, and you will notice in planting these new Giants listed below, that they have smaller centers and more loosely placed petals, while the size of the flower has been notably increased. In presenting the type below, we offer a collection of striking and desirable colors, which can not be surpassed by any flower seed grower anywhere.

The seed may be sown in a hot bed or sunny window and transplanted, or sown later in the open ground. If sown in the open ground in April, thin out as soon as the plants are well up, leaving at least 1½ feet each way, as they are robust growers and require a large amount of space to attain maximum size. The plants come into flower early in the summer and keep on blooming until hard frost.

All Prices on this Page Post Paid All 10c Pkts. 3 for 25c		Pkt.	¼ Oz.	1 Oz.
780	GIANT CRIMSON.....	.10	.50	1.50
781	GIANT GOLDEN YELLOW.....	.10	.50	1.50
782	GIANT FLESH PINK.....	.10	.50	1.50
783	GIANT CANARY YELLOW.....	.10	.50	1.50
784	GIANT WHITE.....	.10	.50	1.50
785	GIANT PURPLE.....	.10	.50	1.50
786	GIANT ROSE.....	.10	.50	1.50
787	GIANT VIOLET.....	.10	.50	1.50
789	GIANT SCARLET.....	.10	.50	1.50
790	GIANT BURNT ORANGE.....	.10	.50	1.50
791	GIANT SALMON.....	.10	.50	1.50
792	GIANT MIXED.....	.10	.40	1.35



Giant Zinnia

Dahlia Flowered Zinnias

The Zinnias listed on this page are the finest Zinnias grown by the most reputable grower in the world.		Pkt.	¼ Oz.	½ Oz.
757	DREAM. A fine, deep lavender, turning to purple; a new, desirable shade in Zinnias.....	.25	1.25	2.00
758	CRIMSON MONARCH. By far the largest and best of the red shades. Flowers often eight inches in diameter. Plants very vigorous.....	.25	1.25	2.00
759	EXQUISITE. The most pleasing of our collection. Truly Dahlia flowered as regards form and size. Color light rose with center of deep rose.....	.25	1.25	2.00
760	ORIOLE. It is an immense orange and gold bicolor, changing slightly as it ages, but at all times worthy of the beautiful bird for which it is named.....	.25	1.25	2.00
761	OLD ROSE. It is of the real Old Rose shade; it is large, and for charm and beauty we consider it ranks next to Exquisite.....	.25	1.25	2.00
762	POLAR BEAR. A very large pure white, the best white yet seen in Zinnias.....	.25	1.25	2.00
763	CANARY BIRD. A delicate shade of primrose—very large and holds its color well until out of bloom.....	.25	1.25	2.00
764	SCARLET FLAME. A large, beautiful, bright scarlet, with a delightful blending of orange throughout the petal.....	.25	1.25	2.00
765	MIXED. A well blended mixture containing all the above novelties.....	.25	1.25	2.00
766	BUCHANAN'S COLLECTION OF DAHLIA FLOWER-ED ZINNIAS. One packet each of eight separate colors.....	1.75	.....	.....
767	Purple Prince (Purple).....	.25	1.25	2.00
768	Giant Attraction (Brick Red).....	.25	1.25	2.00
769	Meteor (Deep Red).....	.25	1.25	2.00
770	Lemon Beauty (Yellow on Brown).....	.25	1.25	2.00
771	Illumination (Deep Rose).....	.25	1.25	2.00
	CURLED AND CRESTED. The petals of this beautiful strain are twisted, curled and crested into the most fantastic and graceful forms. The colors comprise all the brilliant shades characteristic of the Zinnia.			
795	Mixed.....	.10	.50	.75
	LILLIPUT ZINNIAS form handsome little bushes and fairly bristle with tiny, short-stemmed, very double flowers hardly exceeding a daisy flower in size. They are very pretty plants; bloom all summer until late in the fall.			
796	Red Riding Hood (Scarlet).....	.10	.60	1.00
797	Mixed.....	.10	.60	1.00
798	Buchanan's Collection of three above varieties.....	.25	.....	.....

793 BUCHANAN'S
COLLECTION OF GIANT ZINNIAS.
The greatest value ever offered in Zinnia Seed.
One packet each of ten separate colors
75c POSTPAID 75c



Dahlia Flowered Zinnia

Seeds listed on this page are delivered transportation paid in the U. S. or possessions. ORDER EARLY



BUCHANAN'S HARDY ROSES

For real satisfaction, no plant equals the Rose. With their wide range of color and shape, Roses lend themselves to any planting scheme. We have not tried to list all the varieties we are growing, but only those true and tried varieties, each one the best of its particular class and color. We have been growing Roses in our nurseries and in our home gardens for many, many years.

You may plant any of the ever-blooming varieties with every assurance that each of them will bloom the first season after planting. All of the Roses we offer are strong, one and two-year plants.

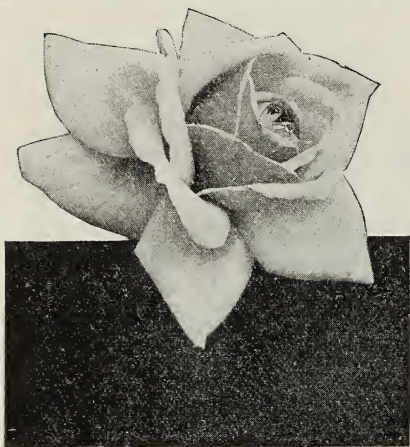
Your Rose garden should be located where the plants will have plenty of sunlight and where the Roses will not be affected by large trees or shrubs, either shading them or drawing nourishment from the soil. Clay or sandy soil is best and there should be plenty of well-rotted manure worked into the soil before planting. The plants should be cultivated frequently and kept absolutely free of weeds and grass. All old and decayed branches should be cut off, as the flowers are borne only on the new growth. Protect in winter by covering with at least six inches of leaves or coarse manure, which may be removed or worked into the soil in the spring.

All Roses will be pruned for planting before shipment.

PRICES—All Everblooming Roses, Priced, Post paid:

One year old—each 25c; 3 for \$0.65; 6 for \$1.25; 1 dozen, \$2.25

Two year old—each, 75c; 3 for \$2.00; 6 for \$3.75; 1 dozen, \$6.00



La France



Marie Guillot



White American Beauty

WHITE BUSH ROSES

BESSIE BROWN—Of a distinct type in shape and color. Marvelously beautiful. Erect stems; full deep bloom with enormous petals. White, flushed with pink, growing deeper toward the center.

SNOW QUEEN—Hardy everywhere. A vigorous grower with bright green leaves; long buds; magnificent snow-white flowers with large saucer-shaped petals. Rightly named and is one of the best white roses.

MAMAN COCHET—White—A splendid Rose; has all the good qualities of Pink Maman Cochet, but is pure snow-white, with outside petals tipped pink in the autumn; large and fragrant.

KAISERIN AUGUSTA VICTORIA—We have white Roses that have elegant buds, but when full grown are not all that is desired. This Rose combines both these good qualities. Color, a pure white.

WHITE LA FRANCE—A seedling of La France; extra large, full, deep, pearly white flowers, deliciously shaded with soft rose; exquisitely beautiful and delicately fragrant.

MRS. MACKELLAR—The glorious blooms make this an imposing rose. A deep citron or delicate pure canary color. As the large blooms gracefully expand the guard petals charmingly become primrose-white of great decorative beauty.

CORNELIA COOK—The buds are most beautiful, of immense size, are borne up high on massive stems, and with their round, full, heavy form, carry an air of grace and dignity quite unusual. The flowers are the clearest, snowiest white, and are arranged in the most faultless and symmetrical manner. Cornelia Cook has the largest bud of any white rose.

MARIE GUILLOT—The Queen of White Roses. We recommend it as one of the most reliable white Tea Roses in cultivation, especially for outdoor culture. The color is pure white, sometimes faintly tinged pale yellow. The flowers are beautifully made, very large, full and double; the buds are very pretty, of sweet fragrance. Anyone who has not seen this splendid variety growing at its best in the open ground cannot conceive of the lovely beauty of its large, bold, handsome flowers.

MARCIA STANHOPE—Bud large, globular, streaked slightly with carmine; bloom large, double, globular, very lasting; pure white; strong fragrance. Foliage disease-resistant. Profuse bloomer. Hardy.

WHITE AMERICAN BEAUTY

FRAU KARL DRUSCHKI

Snow-white flowers, 4 to 5 inches across, deliciously fragrant. The Regal "White American Beauty." The distinctive form and expression of its bud, half opened state and maturity, are a three-fold revelation of exquisite charm and beauty. In our gardens they commence blooming with the June roses, are conspicuous throughout the summer with their large flowers of waxy paper white, and yield their last armful with the first snows of any early fall. Price, one year 50 cents each; two year, \$1.00 each. Post paid.



PINK BUSH ROSES

LA FRANCE—An old-time favorite by which all other Roses are judged. Flowers a silvery rose shaded to pink with satin-like petals of wonderful beauty; blooms continuously throughout the season.

PAUL NEYRON—The largest of all Roses. Blooms of bright shining pink, beautiful, very double, full and finely scented. Blooms freely throughout the season. Stems almost thornless.

WILLIAM R. SMITH—A strong, vigorous grower; a distinct type producing pointed buds of a soft salmon-pink blended with rose, in great profusion from early spring until late fall.

MAMAN COCHET—Pink—This superb Rose is well known as a queen among Roses, one of the best and most beautiful varieties ever grown, and quite hardy. The flowers are of enormous size, very full and of great depth and substance. Color, rich, coral-pink, elegantly shaded with rosy crimson; has broad, thick, shell-like petals and makes superb long-pointed buds; immense bloomer, and flowers the whole season. Deliciously sweet and a hardy, vigorous grower. It ranks among the very finest hardy everblooming Roses.

RADIANCE—Pink—A brilliant rosy-carmine, displaying beautiful rich and opaline-pink tints in the open flower. Radiance is a Rose that does well everywhere, a fine grower and free bloomer, and no prettier pink Rose grown.

BUSH COLUMBIA—A great rose. This beautiful new rose, of English origin, we especially recommend for outdoor cultivation as one of the best, if not the best rose of its class and color now in cultivation. One of the kind that we cannot have too many of. Exceedingly hardy, producing in marvelous profusion deep crimson-pink flowers, perfectly double; delightfully fragrant. Buds large, pointed and beautiful.

LADY ASHTOWN—Bud long and pointed, borne singly on long, stiff stems. Color is a soft, solid carmine-pink of a most pleasing shade.

MADAME EUGENE MARLITT—One of the greatest garden roses, wonderfully strong growing, making a sturdy bush about four feet high; heavy, leathery foliage like June Rose; free from insects; bears enormous clusters of large full double crimson flowers of extraordinary beauty and exquisite fragrance. Blooms all the time. One of the great modern roses. For any purpose, anywhere, has no superior.

BRIDESMAID—One of the most beautiful of Pink Tea Roses. This variety is valuable for cutting and does finely in the open ground; a sport from the old and popular pink Tea, Catherine Mermet, but of a fine, clear, dark pink, much deeper and more constant than Mermet. The bush is a strong, vigorous grower, bearing its flowers on long, sturdy stems. Altogether one of the finest roses for garden culture and one which is a universal favorite for all occasions.

LADY URSULA—H. T. A very dependable, almost flawless rose, distinguished by extremely vigorous growth. Blooms continuously into freezing weather. Flowers of fair size, light flesh-pink, with shell-like petals reflexing from a delicately shaped bud. Lasts well when cut. Foliage is small but healthy. Charming, and an easy rose to grow.

PREMIER—H. T. Makes splendid fall blooms. The flowers are large, of fine form, pleasing fragrance, rich dark pink color, and come on long, stiff stems, almost thornless. Notable as a cut-flower rose.

ALBERT PIKE

Handsome buds, expanding into full well shaped flowers of cupped form. Every flower carried erect on fine strong stems. The color is a lovely clear cerise, rich and glowing, and peach flush at times.

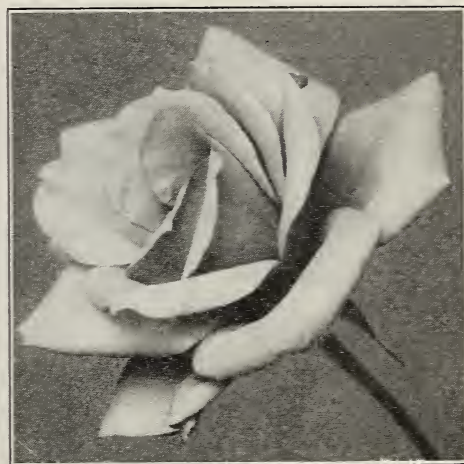
Its wonderful color will make it a grant bedding rose. A great improvement over our Winsome, which it much resembles in color, form and growth. It blooms continuously, producing an abundance of flowers throughout the season, increasing its flowers in quantity and quality toward fall.

Price, one year plants, 50 cents each; two year plants, \$1.00 each.

For prices not shown on this page,
see Page 50.



Maman Cochet



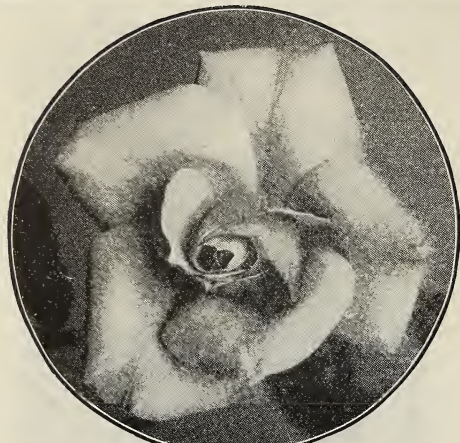
Pink Radiance



Albert Pike



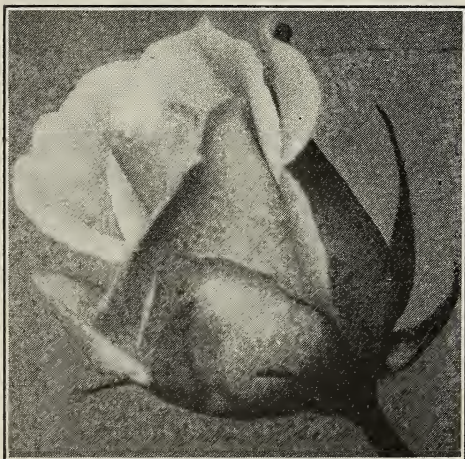
For Prices Not Shown on This Page,
See Page 50.



Red Radiance



Francis Scott Key



Alexander Hill Gray

RED BUSH ROSES

ETOILE DE FRANCE—A brilliant, clear crimson-red, with vivid cerise center. Large flowers on long, stiff stems. Remarkably vigorous and free blooming.

GENERAL JACQUEMINOT—Still holds its place as the premier of red roses. Perfectly hardy and a strong, vigorous grower; large, shapely buds and handsome blooms of a bright, shining crimson. Very rich, brilliant, velvety, and fragrant.

GRUSS AN TEPLITZ—Perfectly hardy and very valuable for bedding or mass planting; fiery crimson, sweetly fragrant and produced in great quantities.

HADLEY—Deep, rich, velvety crimson flower, with a well-formed bud and long, stiff stem. Flowers are borne throughout the season and have great fragrance.

J. L. MOCK—It is a true hybrid tea with gigantic flowers on great, erect, stiff stem and a growth that is marvelous in its freedom. Has extraordinary large, heavy foliage and quickly makes a great strong bush. The flowers are enormous in size, magnificently formed, deep and double, exquisitely fragrant; color bright, rich pink, faced with carmine. It is the greatest bush rose of any color for your garden that has been introduced in the past fifty years.

RADIANCE—This is a counterpart of the glorious pink Radiance, but the color is clear cerise-red which does not fade. Blooms are large and double. Plant an entire bed of this vigorous, healthy rose, and you can depend upon having abundant, deliciously fragrant and handsome blooms for cutting from June until frost.

FRANCIS SCOTT KEY—The new American rose, Francis Scott Key, dazzling crimson, globular rose of gigantic size. In this new rose we find the embodiment of a perfect bloom combining size, form and color, the attributes of all exhibition flowers. This new American rose produces intensely black grain scarlet-crimson blooms on strong shoots of sturdy, erect growth, embellished with a foliage of the deepest green. The rose is deliciously perfumed. In growth it is strong, vigorous and free-branching, with large and handsome foliage.

HIS MAJESTY—Notwithstanding this famous old hardy favorite has long been grown, it still may be regarded as the most beautifully formed, brilliant velvety crimson variety now in cultivation. Beautiful buds and flowers, very large and exquisitely made. The bush is remarkably vigorous in growth, perfectly hardy and constantly in bloom.

HARVARD—There is no color that produces the show that a good crimson does. The color is a rich, bright velvet crimson. A strong, vigorous, upright grower; flowers large and full, a great garden rose as it is always in bloom, extremely hardy and produces a magnificent bush in a short time.

YELLOW ROSES

ETOILE DE LYON—Golden yellow. A healthy, vigorous grower, blooming freely early and late. Full, deep, rich flowers. Very sweet.

OPHELIA—Flowers of salmon-flesh shaded rose at outer edge of petals. Quite fragrant and of perfect form, both in bud and flower.

SUNBURST—Without a doubt the yellowest of all yellow roses, a color range from orange-copper to the deepest golden yellow; flowers on unusually large, long stems and buds are of surpassing beauty.

ALEXANDER HILL GRAY—Deep lemon-yellow, similar in color to Marechal Neil, more intense as the bloom expands. Large, full flowers with high pointed center and perfect form, freely produced and strongly tea perfumed. Robust, vigorous and erect. The best pure yellow Tea Rose yet offered.

LADY HILLINGDON—A medium size rose which blooms freely. The buds long and pointed and as yellow as Mrs. Aaron Ward. The open flowers resemble Sunburst. A great improvement over either rose in productiveness. Easy culture. Either as a bud or open flower this rose is charmingly beautiful.

MABEL DREW—A truly magnificent rose, superb in every respect. It is exquisitely shaped, with smooth, circular petals of great substance, arranged in perfect symmetry. The blooms are large and full, carried on strong and erect flower stalks. The color is a deep cream in the young state, to intense canary-yellow in the center as the flower develops. It is a hybrid Tea Rose with a deliciously refreshing perfume. The flowers are produced continuously and in great profusion. A vigorous grower with rich cedar-green foliage.

MRS. AARON WARD—This rose is a real joy to the grower and absolutely distinct. One of the most delightful roses of recent years, in color that catches the eye at once. Coppery orange in the open bud, golden orange when partly developed, pinkish fawn of lovely shade when fully open, when it looks like a full fluffy rosette. No wonder everybody that sees it falls in love with it.

All Roses listed on this page are delivered transportation paid. See page 50 for prices.



Marechal Niel Rose

This famous yellow climbing Rose (see cut above) is known in every country where Roses are grown. It is not a new Rose and I do not know how long it has been grown. I do know a very fine elderly lady (89 years young) who began growing this famous Rose when I was a little boy more than forty years ago.

Price, two-year plants, \$1.00; or 3 for \$2.85; 6 for \$5.50, postpaid. See also page 53.



Buchanan's

Two-Year-Old
Field-Grown Roses
Are The Best That
Money Can Buy

Paul's Scarlet Climber

No doubt the most popular climbing red Rose in existence. (See cut above). This wonderful Rose was introduced more than fifty years ago and with all the efforts put forth by the Rose breeders of the world it still holds first place as a red climbing rose.

Price, two-year plants, \$1.10; 3 for \$3.00; 6 for \$5.75, postpaid. See also page 53.



Buchanan's Big Six Rose Collection, \$3.00

These six well known two-year field-grown bush roses are mailed to you direct from our Nursery for \$3.00, postpaid. A saving to you of \$1.50. Order at once.

4. **Etoile de Lyon.** A healthy, sweet, yellow Rose. See also page 52.
5. **Jonkheer J. L. Mock.** This red Rose has very large blooms highly perfumed. See also page 52.
6. **La France.** Many consider this the finest pink Rose grown. See also page 51.

7. **Gen. Jacqueminot.** The premier of red Roses. See also page 52.
8. **Wm. R. Smith.** A pink Rose blooming from early Spring until late Fall. See also page 51.
9. **Etoile de France.** A very vigorous, dark red, free bloomer. See also page 52.



515—Antirrhinum



580—Cosmos



545—Calendula



747—Verbena

515. ANTIRRHINUM (Snapdragon). Tall Mixed. Fine cut flowers for beds or borders. Pkt., 10c; 3 for 25c. See also page 40.

580. COSMOS, Early Flowering Mixed. Attractive plants blooming from early Summer until frost. Pkt., 10c; 3 for 25c. See also page 43.

545. CALENDULA (Pot Marigold). Blooms all Summer. Pkt., 10c; 3 for 25c. See also page 41.

747. VERBENA, Choice Mixed. For beds, borders and window boxes. Pkt., 10c; 3 for 25c. See six other varieties page 48.

615. GAILLARDIA (Blanket Flower). Hardy plants producing a profusion of brilliantly colored flowers. Pkt., 10c; 3 for 25c. See also page 44.

546. CALLIOPSIS. Showy beautiful plants producing abundance of bright colored flowers throughout the Summer. Pkt., 10c; 3 for 25c. See also page 41.

715. PORTULACA (Rose Moss). This plant will grow and bloom profusely in a dry, hot place. The flowers resemble small roses. Pkt., 10c; 3 for 25c. See also page 48.

726. SCABIOSA (Mourning Bride). The flowers are full, fluffy and exquisitely colored and borne on long, graceful stems. Pkt., 10c; 3 for 25c. See also page 48.

875. SWEET PEAS, Giant Flowering Mixed. Finest of the Early Flowering Spencers. Pkt., 25c; 3 for 60c. See also page 39, devoted entirely to Sweet Peas.

659. LARKSPUR, Emperor Mixed. Pkt., 10c; 3 for 25c. See also page 45.

521. AQUILEGIA (Columbine). Adapted to all soils and conditions; fine for vase and table decoration. Pkt., 10c; 3 for 25c. See also page 40.

606. ESCHSCHOLTZIA (California Poppy). Finest Mixed. Producing quantities of blooms. Pkt., 10c; 3 for 25c. See also page 43.

552. CARNATION, Giant Mixed. Immense double flowers. Pkt., 10c; 3 for 25c. See also page 42.

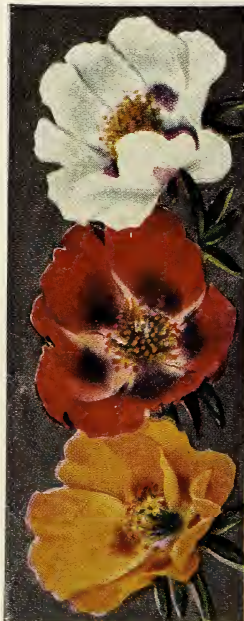
675. NASTURTIUMS, Dwarf Mixed. See also page 46 for Tall Mixed and prices.



615—Gaillardia



546—Calliopsis



715—Portulaca



726—Scabiosa

**R.B. BUCHANAN SEED CO.****MEMPHIS, TENNESSEE.****BUCK BRAND TESTED SEEDS**

Buchanan's Quantity Price List Jan. 1, 1929

All prices quoted in this list are present values and subject to change without notice. We do not, however, expect many changes, and our customers may rely upon receiving the very lowest prices current at the time their orders are received. **TERMS.**—As the prices are **NET CASH**, a remittance must accompany all orders. These prices are F. O. B. Memphis, sacks included. Freight or express charges must be paid by the purchaser.

PARCEL POST.—When any items ordered from these prices are to be sent by parcel post, sufficient money must be added to the following prices to pay postage. If more money is sent than the amount of postage, we will return same, for we make no charge for packing, and all boxes, sacks and other containers which we use in shipping our seeds are free to you. Refer to page numbers given below for description of seeds quoted.

R. B. BUCHANAN SEED CO. give no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs, plants, etc., they send out, and will not be in any way responsible for the crop.

BEANS, BUSH—Green Pod—Bu. 60 lbs. (Page 6)

	Gal.	Pk.	Bu.
39 Black Valentine	1.80	\$ 3.30	\$12.10
40 Burpee's Stringless	2.30	4.85	17.10
44 Giant Stringless	2.60	4.95	18.25
35 Hopkins Red Valentine	2.00	3.85	14.90
37 Improved E. E. Red Valentine	2.00	3.85	14.90
38 Tennessee Green Pod	1.85	3.40	12.25
41 Refugee—1000 to 1	2.15	4.00	15.00
43 Early Mohawk	2.15	4.00	15.00
45 Ruby Dwarf Horti	1.85	3.40	12.25

BEANS, BUSH—Wax Pod—Bu. 60 lbs. (Page 7)

	Gal.	Pk.	Bu.
56 Currie's Rust Proof Wax	2.00	\$ 3.85	\$14.75
57 Davis' White Kidney Wax	2.10	4.00	15.00
58 Improved Golden Wax	2.00	3.80	14.00

BEANS, POLE OR RUNNING—Bu. 60 lbs. (Page 8)

	Gal.	Pk.	Bu.
67 Kentucky Wonder	1.40	\$ 2.70	\$10.35
68 White Creaseback	1.45	2.60	9.75
69 Red Speckled Cut Short	1.50	2.95	10.50
66 Scotia or Cornfield	1.50	2.90	10.90
64 Kentucky Wonder Wax	1.50	2.90	10.75
71 White Kentucky Wonder	1.60	3.10	11.50
72 Sou. Cornfield	1.60	3.10	11.50
65 Horticultural Pole	1.50	2.90	10.75
70 Lazy Wife	1.55	2.95	10.80

BEANS, POLE LIMA—Bu. 60 lbs. (Page 9)

	Gal.	Pk.	Bu.
78 Carolina or Sieva	1.45	\$ 2.75	\$10.25
77 Buchanan's Butter	1.50	2.75	10.25
74 Early Jersey	1.50	2.75	10.25
79 Calico Lima	1.60	3.15	11.75
80 Monstrous Lima	1.50	2.75	10.25
75 Large White Lima	1.55	2.85	11.45
76 King of Garden	1.55	2.95	11.45

BEANS, BUSH LIMA—Bu. 60 lbs. (Page 9)

	Gal.	Pk.	Bu.
49 Henderson's Bush	1.55	\$ 2.80	\$10.65
50 Buchanan's Butter	1.60	2.75	10.75
48 Fordhook Bush	3.00	5.85	22.25
46 Burpee's Bush	1.95	3.70	13.40

TABLE BEETS—(Page 10)

	1 lb.	5 lbs.	10 lbs.
17 Market Gardener	\$ 0.65	\$ 2.50	\$ 4.00
21 Early Blood Turnip .....	.55	2.00	3.50
24 Crosby's Egyptian .....	.55	2.00	3.50
26 Swiss Chard .....	.65	2.50	4.00
19 Crimson Globe .....	.65	2.50	4.00
20 E. E. Egyptian .....	.65	2.50	4.00
22 E. E. Eclipse .....	.55	2.50	4.50
25 Long Smooth .....	.60	2.55	4.75
23 Detroit Dark Red .....	.60	2.50	4.00

SUGAR BEETS OR MANGELS—(Page 10)

	1 lb.	5 lbs.	10 lbs.
30 Mammoth Long Red	\$ 0.40	\$ 1.90	\$ 3.50
29 Golden Tankard .....	.40	1.90	3.50
35 Lane's Imperial .....	.50	2.25	4.00
36 Klein's Wanzleben .....	.45	2.00	3.50

CABBAGE—(Pages 11, 12)

	1 lb.	5 lbs.	10 lbs.
86 Early Jersey Wakefield	\$ 1.55	\$ 6.00	\$ 9.75
87 Chas. Wakefield	1.55	6.25	9.85
99 Early Drumhead	1.40	5.00	9.00
101 Early Flat Dutch	1.40	6.25	9.85
91 Succession	1.50	5.25	9.50
93 Late Flat Dutch	1.40	6.25	9.90
92 Late Drumhead	1.40	6.25	9.90
102 Early Eureka	3.25	15.00	27.50
90 Early Spring	1.40	6.25	9.90

CABBAGE—Continued.

	1 lb.	5 lbs.	10 lbs.
94 Copenhagen	\$ 2.15	\$10.00	\$18.75
98 All Head Early	1.40	6.25	9.90
96 Solid South	1.40	6.25	9.90
89 Early Winningstadt	1.60	7.50	14.00
95 Early Summer	1.40	6.25	9.90
85 All Seasons	1.40	6.25	9.90
97 Surehead	1.40	6.25	9.90
100 Drumhead Savoy	1.40	6.25	9.90

CARROTS—(Page 13)

	1 lb.	5 lbs.	10 lbs.
103 Oxheart	\$ 0.75	\$ 3.00	\$ 5.50
105 H. L. Danvers .....	.75	3.25	6.00
106 Imp. Long Orange .....	.75	3.00	5.50
107 Large White Belgian .....	.70	3.00	5.50
104 Early Scarlet Horn .....	.70	3.00	5.50

COLLARDS—(Page 12)

	1 lb.	5 lbs.	10 lbs.
127 Georgia White Cabbage	\$ 0.70	\$ 3.00	\$ 5.25
126 Southern or Blue Stem .....	.65	2.90	5.00
128 North Carolina .....	.65	2.90	5.00

CUCUMBERS—(Page 14)

	1 lb.	5 lbs.	10 lbs.
165 Improved White Spine	\$ 0.95	\$ 4.00	\$ 7.50
161 Cumberland Pickle .....	.95	4.00	7.50
166 Improved Long Green .....	.95	4.00	7.00
160 Chicago Pickle .....	.95	4.00	7.00
171 Norton's White Spine .....	.90	3.75	7.00
164 Early Fortune .....	.95	4.00	7.50
163 Early Green Cluster .....	.80	3.50	6.50
170 Everbearing .....	.80	3.50	6.50
167 Gherkin or Burr .....	.95	4.00	7.50
162 Davis Perfect	1.00	4.00	7.00
168 Japanese Climbing .....	.95	4.00	7.50
169 Mixed .....	.90	3.75	7.00

CORN, GARDEN—(Pages 15, 16)

	Gal.	Pk.	Bu.
135 Extra Early Adams, Bu. 56 lbs.	\$ 0.70	\$ 1.15	\$ 4.50
134 Golden Bantam, Bu. 45 lbs. ....	.90	1.75	6.25
136 Adams' Large Early, Bu. 56 lbs. ....	.70	1.15	4.50
141 Early Surprise, Bu. 56 lbs. ....	.65	1.15	3.75
140 Country Gentleman, Bu. 45 lbs.	1.00	1.75	6.50
138 Stowell's Evergreen, Bu. 45 lbs.	1.00	1.75	6.50
137 Trucker's Favorite, Bu. 56 lbs. ....	.60	1.00	3.50
139 Early Minnesota, Bu. 56 lbs. ....	.60	1.00	3.50

LETTUCE—(Page 17)

	1/2 lb.	1 lb.	5 lbs.
196 Big Boston	\$ 0.60	\$ 1.00	\$ 4.40
205 Wonderful .....	.75	1.35	6.25
198 Early White Cabbage .....	.60	1.00	4.40
195 Wayahead .....	.75	1.35	6.25
204 Early Curled Simpson .....	.60	1.00	4.40
207 Iceberg .....	.60	1.00	4.40
208 Mignonette .....	.75	1.40	6.25
202 Grand Rapids .....	.75	1.40	6.25
203 Paris White Cos. ....	.60	1.00	6.25
197 Cal. Cream Butter .....	.60	1.00	4.40
201 Mam. B. S. Butter .....	.75	1.40	6.25

MUSKMELON OR CANTALOUPE—(Pages 18, 20, 21)

	1/2 lb.	1 lb.	5 lbs.
209 Buchanan's New Rockyford S. F.	\$ 0.85	\$ 1.50	\$ 6.50
221 Pollock's 10-25 .....	.65	1.25	5.00
222 B. B. Surprise .....	.60	1.00	4.25
218 Hearts of Gold .....	.50	.90	4.00
216 Cannonball .....	.65	1.25	5.00
212 Mammoth Rockyford .....	.65	1.10	5.00
229 Osage .....	.65	1.25	5.00
225 Tip Top .....	.60	.95	4.00
213 Burrell's Gem .....	.60	.95	4.00
224 Hoodoo .....	.65	1.25	5.00

Please order Seeds by number prefixed to each variety. It saves your time in writing the order and our time in filling it.



BUCK BRAND TESTED SEEDS

MUSKMELON OR CANTALOUPE—Continued.

	½ lb.	1 lb.	5 lbs.
214 Banana	\$ 0.65	\$ 1.00	\$ 4.50
226 Honey Dew .....	.60	1.00	4.50
215 Mont. Green Nutmeg .....	.50	.85	4.00
228 Eden Gem .....	.65	1.25	5.00
219 Rockyford G. F. ....	.50	.85	3.50
223 Baltimore (Acme) .....	.45	.85	3.75
220 Imp. Large Baltimore .....	.60	1.00	4.25
217 Early Hackensack .....	.60	1.00	4.25
227 Mixed .....	.60	1.00	4.25

WATERMELONS—(Pages 19, 22, 23, 24)

	½ lb.	1 lb.	5 lbs.
240 Improved Watson	\$ 0.70	\$ 1.25	\$ 5.00
235 Halbert Honey .....	.40	.75	3.00
253 Kleckley's Sweet .....	.40	.75	3.00
237 Georgia Rattlesnake .....	.40	.75	3.00
238 Tom Watson .....	.40	.75	3.00
239 Irish Grey .....	.40	.75	3.00
252 Ribault .....	.70	1.25	5.50
242 Golden Heart .....	.50	.75	3.00
233 Imp. Kleckley's Sweet .....	.60	1.10	4.75
231 Black Diamond .....	.40	.75	3.00
236 Cole's Early .....	.40	.75	3.00
230 Alabama Sweet .....	.45	.75	3.25
232 Florida Favorite .....	.45	.75	3.00
254 Wondermelon .....	.65	1.15	5.00
241 Perfection .....	.60	1.00	4.00
234 Sweetheart .....	.45	.75	3.00
247 Thurmond Grey .....	.45	.75	3.00

OKRA—(Page 25)

	½ lb.	1 lb.	5 lbs.
249 White Velvet	\$ 0.35	\$ 0.50	\$ 2.00
250 Dwarf Green .....	.35	.50	2.00
248 Long Green .....	.30	.50	2.00

MUSTARD—(Page 25)

	½ lb.	1 lb.	5 lbs.
243 Southern Giant Curled	\$ 0.25	\$ 0.40	\$ 1.75
244 Elephant Ear .....	.30	.50	2.00
245 New Chinese .....	.30	.50	2.00
246 White Mustard .....	.25	.45	2.00

ONION SEED—(Page 26)

	½ lb.	1 lb.	5 lbs.
257 White Globe	\$ 1.50	\$ 2.50	\$ 10.00
259 Red Bermuda	1.50	2.50	10.00
260 Red Weathersfield	1.00	1.90	8.75

ONION SETS—Bu. 32 lbs. (Page 26)

	Gal.	Pk.	Bu.
267 White (Silverskin)	\$ 0.70	\$ 1.20	\$ 4.75
268 Red Wethersfield .....	.60	1.00	3.75
266 Yellow Danvers .....	.60	1.00	3.75
272 W. T. Shallots, Bu. 28 lbs. ....	.50	.85	2.50
269 Yellow Potato, Bu. 28 lbs.	1.00	1.50	4.90
270 White Multiplier, Bu. 28 lbs. ....	.80	1.40	4.75

PARSLEY—(Page 26)

	½ lb.	1 lb.	5 lbs.
274 Moss Curled	\$ 0.40	\$ 0.75	\$ 3.50

GARDEN PEAS—(Pages 28, 29)

	Gal.	Pk.	Bu.
284 Alaska	\$ 1.00	\$ 2.00	\$ 7.75
288 Ameer	1.40	2.75	9.85
283 Laxtonian	1.50	2.75	10.75
287 American Wonder	1.40	2.70	10.40
286 First and Best	1.40	2.50	10.00
291 Gradus	1.35	2.60	9.95
285 Premium Gem	1.40	2.75	10.50
297 Little Marvel	1.50	2.90	11.00
293 Telephone	1.35	2.60	10.00
294 Marrowfat	1.00	2.90	7.75
289 Alderman	1.40	2.75	10.50
292 Champion of England	1.25	2.50	9.50
298 Bliss Everbearing	1.40	2.70	10.25

PEPPERS—(Page 27)

	½ lb.	1 lb.	5 lbs.
303 Chinese Giant	\$ 2.25	\$ 4.25	\$ 20.50
307 Crimson Giant	1.75	3.45	17.00
302 Bell or Bull Nose	1.25	2.35	11.25
304 Red Cayenne	1.25	2.35	11.25

IRISH POTATOES—Bu. 60 lbs.—(Page 31)

	Pk.	Bu.	2½ Bu.
323 Red Triumph (Certified)	\$ 0.75	\$ 2.00	\$ 4.50
323A Red Triumph (Non-Certified) .....	.60	1.75	4.00
322 Irish Cobbler (Certified) .....	.75	2.00	4.50
322A Irish Cobbler (Non Certified) .....	.60	1.75	4.00
326 Lookout Mountain—Write for Prices.			

SEED SWEET POTATOES—(Page 31)

Sold only in 1-Bu. Hampers, about 45 to 50 lbs.

	1	5	10
	Hamper	Hampers	Hampers
334 Nancy Hall—Certified—Write for Prices.			
335 Porto Rica—Certified—Write for Prices.			

PUMPKINS—(Page 30)

	1 lb.	5 lbs.	10 lbs.
315 Cushaw	\$ 0.90	\$ 4.00	\$ 6.50
316 King of Mammoth .....	.95	4.50	7.50
314 Kentucky Field .....	.40	1.75	3.30
318 Japanese Pie .....	.90	4.00	6.50
320 Large Cheese .....	.50	2.25	4.25
319 Quaker Pie .....	.90	4.00	6.50
313 Small Sugar .....	.90	4.00	6.50
317 Tenn. Sweet Potato .....	.90	4.00	6.50
325 Kentucky Cornfield .....	.40	1.75	3.00

RADISHES—(Pages 32, 33)

	1 lb.	5 lbs.	10 lbs.
339 White Tip	\$ 0.60	\$ 2.50	\$ 4.00
338 Scarlet Turnip .....	.60	2.50	4.00
351 Scarlet Globe .....	.60	2.50	4.00
344 Perfection .....	.65	2.75	4.50
343 Long Scarlet .....	.50	2.00	3.00
346 White Icicle .....	.60	2.50	4.00
340 Epicure .....	.60	2.50	4.00
350 French Breakfast .....	.55	2.25	3.50
347 Crimson Giant .....	.60	2.25	4.00
354 Golden Globe .....	.60	2.25	4.00
352 Cincinnati Market .....	.60	2.50	4.00
341 Half Long Deep Scarlet .....	.50	2.00	3.00
345 White Vienna .....	.60	2.50	4.00
355 Cal. Mammoth White .....	.50	2.25	4.00
349 Long Black Spanish .....	.60	2.50	4.00
348 China Rose Winter .....	.50	2.25	4.00
353 Mixed Radish .....	.50	2.00	3.00

SPINACH—(Page 33)

	1 lb.	5 lbs.	10 lbs.
359 Bloomsdale	\$ 0.35	\$ 1.50	\$ 2.75
361 New Zealand .....	.75	3.00	5.00
357 Denmark .....	.50	2.00	3.50
358 Broad Leaf Flanders .....	.50	2.00	3.50
356 Large Viroflay .....	.35	1.50	2.75
360 Victoria .....	.50	2.00	3.50
362 Norfolk Curled .....	.50	2.00	3.50

SQUASH—(Page 34)

	½ lb.	1 lb.	5 lbs.
368 White Bush	\$ 0.50	\$ 0.90	\$ 4.00
371 Yellow Crookneck .....	.50	.90	4.00
369 Mammoth White Bush .....	.50	.90	4.00
372 Giant Yellow Crookneck .....	.60	1.00	4.00
367 Golden Custard .....	.50	.90	4.00
373 Delicious .....	.50	.90	4.00
374 Hubbard .....	.50	.90	4.00

TOMATOES—(Pages 36, 37)

	½ lb.	1 lb.	5 lbs.
375 Acme	\$ 1.25	\$ 2.25	\$ 10.75
377 Beefsteak	2.00	3.75	17.50
389 Early Detroit	1.50	2.75	12.50
381 Ponderosa	3.00	5.00	22.50
388 Livingston's Globe	1.75	3.10	15.00
394 Gulf State Market	1.75	3.00	14.50
385 Norton's Wilt Resistant	1.35	2.50	11.25
384 Norduke Wilt Resistant	2.50	4.00	18.75
392 June Pink	2.25	4.00	18.75
391 Buck Brand	1.50	2.75	13.00
376 Beauty	2.00	3.25	15.00
390 Bonney Best	1.50	2.75	12.50
386 Louisiana Pink	2.75	5.00	20.00
378 Earliana	1.50	2.25	10.00
393 Marglobe	2.25	4.00	18.75
379 Chalk's Jewel	1.50	2.75	12.50
383 Red Rock	1.25	2.25	10.00
382 Stone	1.25	2.00	8.75
397 Brimmer	2.75	5.00	23.75
398 Greater Baltimore	1.75	3.00	13.00
387 Trucker's Favorite	1.50	2.75	12.50
380 Golden Queen	1.75	3.00	13.00

Please order Seeds by number prefixed to each variety. It saves your time in writing the order and our time in filling it.



Buchanan's Field Seeds

SEED CORN—(Pages 72, 73, 74)—Bags Free

	Bu.	2½ Bu.	5 Bu.
1125 Buchanan's Improved Paymaster.....	\$ 3.15	\$ 7.50	\$14.75
1125 Paymaster	2.75	6.70	13.00
1126 Tenn. White Red Cob, Long Grain.....	2.75	6.70	13.00
1128 Champ. White Dent.....	2.50	5.90	11.25
1135 Buchanan's Prolific	3.00	7.15	14.00
1136 Mosby's Prolific	3.00	7.15	14.00
1137 North Carolina	3.00	7.15	14.00
1132 Hickory King	3.00	7.15	14.00
1134 Mexican June	2.90	6.90	13.50
1133 Buchanan's White June.....	3.00	7.25	14.25
1127 Boone County White.....	2.50	5.90	11.50
1129 Iowa Silver Mine.....	2.50	5.90	11.50
1130 Wisconsin White Dent.....	3.15	7.50	14.50
Yellow Varieties			
1144 Buchanan's Golden Prolific.....	3.25	8.00	15.75
1139 Tennessee Yellow Dent.....	2.50	5.90	11.50
1141 Iowa Gold Mine.....	2.50	5.90	11.50
1142 Reid's Yellow Dent.....	2.50	5.90	11.50
1143 Jarvis Prolific	3.00	7.15	14.00

COTTON SEED—(Pages 75, 76, 77)

Please order all Cotton Seed by prices printed below as some of the prices printed on pages 76 and 77 are incorrect.

	Bu.	100 lbs.	500 lbs.	1,000 lbs.
1148 Delfos 631	\$ 2.00	\$ 5.50	\$25.75	\$52.50
1150 Delfos 6102	2.00	5.50	26.75	52.50
1149 Delfos 911	2.00	5.50	26.75	52.50
1151 Wannamaker-Cleveland	2.00	5.25	25.75	50.00
1152 Half & Half.....	2.00	5.00	24.25	47.50
1153 King's Improved	2.00	5.00	24.25	47.50
1156 Coker Cleveland No. 5.....	2.00	5.50	26.75	52.50
1157 Simpkins	2.00	5.00	24.25	47.50
1154 Acala No. 5.....	2.00	5.50	26.75	52.50
1158 Mebane Triumph	2.00	5.50	26.75	52.50
1150 Rowden—Write for Prices.				

Other Varieties Cotton Seed

We have listed and described only the most popular varieties in this catalog. There are many other varieties on the market, some with different characteristics, some with merely different names. If you want a variety that you do not see listed, write us its name and amount you want and we will endeavor to get it for you.

ALFALFA AND CLOVER SEED—(Pages 78, 79, 80)

	lb.	15 lbs.	60 lbs.	100 lbs.
1049 Alfalfa (Hardy Northwestern).\$	\$ 4.35	\$16.80	\$27.50	
1050 Alfalfa (Buck Brand).....	.28	4.05	15.60	25.00
1051 Alfalfa (Dakota 12).....	.35	4.80	18.60	30.00
1052 Alfalfa (Hairy Peruvian).....	.28	4.05	15.60	25.00
Write for our special 20-page booklet, "How to Grow Alfalfa."				
1053 Red Clover (Buck Brand).....	.42	4.35	22.80	37.00
1054 Red Clover (Mammoth).....	.44	6.15	24.00	39.00
1055 Clover (Alsike).....	.43	5.85	22.80	37.00
1057 Clover—W. B. (Sweet M. A.)..	.15	2.10	7.20	19.80
1056 Clover (White Dutch).....	.40	5.10	19.80	32.00
1061 Lespedeza—Write when ready to buy.				

GRASS SEEDS—(Pages 81, 83, 84)

	lb.	10 lbs.	Bu.	100 lbs.
1100 Bermuda, Bu. 40 lbs.....	\$ 0.40	\$ 3.80	\$14.40	\$35.00
1101 Red Top—H. G., Bu. 40 lbs...	.26	2.40	9.20	22.00
1103 Kentucky Blue, Bu. 14 lbs....	.40	3.80	5.20	36.00
1104 Orchard, Bu. 14 lbs.....	.27	2.50	3.36	23.00
1106 Carpet, Bu. 14 lbs.....	.27	2.60	3.50	24.00
1107 English Rye, Bu. 24 lbs.....	.20	1.70	3.85	15.00
1108 Timothy, Bu. 45 lbs.....	.14	1.20	4.95	10.00
1109 Canadian Blue, Bu. 14 lbs....	.34	3.20	4.35	30.00
1110 Tall M. Oat, Bu. 10 lbs.....	.30	2.70	2.70	24.00
1111 Sudan, Bu. 40 lbs.....	.10	.80	2.50	5.75

PASTURE MIXTURES—(Page 81)

	15 lbs.	25 lbs.	100 lbs.
1112 Shady Pasture No. 1.....	\$ 3.30	\$ 5.25	\$20.00
1113 Upland Pasture No. 2.....	3.15	5.00	19.00
1114 Lowland Pasture No. 3.....	3.30	5.25	20.00
1115 Permanent Meadow No. 4.....	3.40	5.35	20.25
1116 Permanent Hog Pasture No. 5.....	3.40	4.35	20.25
1117 Permanent Lawn	6.30	10.00	38.00
1118 Shady Lawn	6.30	10.00	38.00

PEANUTS—Bu. 22 lbs. (Page 87)

	Bags Free.	Pk.	Bu.	100 lbs.
1177 Peanuts (Spanish)		\$ 0.75	\$ 2.40	\$ 9.50
1178 Peanuts (Tennessee Red).....		.75	2.40	9.50
1180 Peanuts (Virginia Red).....		.75	2.40	9.50
1179 Peanuts (Virginia White).....		.75	2.40	9.00

VETCH—Bu. 50 lbs. (Page 89)

1176 Vetch (Sand or Hairy).....	\$ 2.75	\$ 7.50	\$14.00
1175 Vetch (Oregon).....	Write for Prices		
1155 Vetch (Augusta or Spring).....			

GERMAN OR GOLDEN MILLET—Bu. 50 lbs. (Page 87)

1185 Tennessee Cultivated—Write for Prices.

CANE, SAGRAIN, KAFFIR, MILO, ETC.—Bu. 50 lbs. (Page 87)

Our Cane Seed is selected with the utmost care, but we do not guarantee any variety to produce a syrup crop.

	Peck	Bu.	100 lbs.
1194 Japanese Honey Drip Syrup Cane.....	\$ 1.10	\$ 3.75	\$ 7.00
1195 Texas Seeded Ribbon Cane.....	1.00	3.50	6.50
1196 Sugar Drip Honey Cane.....	1.00	3.50	6.50
1197 Early Orange Cane.....	.60	1.75	3.25
1198 Early Amber Cane.....	.60	1.60	2.75
1199 Red Top Cane.....	.60	1.80	3.25
1212 Sagrain .....	.85	2.75	5.00
1210 Kaffir (White).....	.75	2.25	4.00
1211 Kaffir (Red).....	.75	2.25	4.00
1213 Milo Maize (Yellow).....	.75	2.25	4.00
1214 Feterita .....	.75	2.35	4.25
1216 Egyptian Wheat or Shallu.....	1.25	4.50	8.50

FIELD PEAS AND TABLE PEAS—Bu. 60 lbs. (Page 85)

1235 Whippoorwill	Write For Prices		
1238 New Era.....			
1239 Black (Running).....			
1236 Clay (Running).....			
1240 Red Ripper (Running).....			
1237 Mixed			

Table Peas

1241 Cream Crowder.....	Write For Prices		
1242 Rice or Cream.....			
1243 Extra Early Blackeye.....			
1244 White Browneye.....			
1245 White Blackeye (Large).....			
1246 Gallivant or Lady.....			

SOY BEANS, VELVET BEANS, MUNG BEANS—Bu. 60 lbs.

(Pages 88, 89) Prices subject to change.

	Peck	Bu.	5 Bu.
1224 Soy Beans (Biloxi).....	\$ 1.10	\$ 3.75	\$18.00
1225 Soy Beans (Laredo)—Write for Prices.			
1226 Soy Beans (Ootootan)—Write for Prices.			
1227 Soy Beans (Mammoth Yellow).....	.90	3.00	14.50
1230 Soy Beans (Virginia).....	1.00	3.65	17.50
1228 Velvet Beans (Speckled).....	.75	2.25	10.00
1229 Mung Beans.....	2.25	7.75	37.50

SEED OATS

Oats 32 lbs. to Bu. (Page 91)

	1 Bu.	5 Bu.	25 Bu.
1275 Oats (Appler).....	\$ 1.05	\$ 4.75	\$22.50
1276 Oats (Early Burt).....	1.05	4.75	22.50
1277 Oats (Clay).....	1.05	4.75	22.50
1278 Oats (Turf)—For Fall Planting—Write for Prices.			
1279 Oats (Fulghum).....	1.05	4.75	22.50
1280 Oats (Red Rust Proof).....	.95	4.50	21.25

All Seed Oats re-cleaned free of Johnson Grass, Coco Grass and Wild Onion.

MISCELLANEOUS SEEDS—Page 91.

	Peck	Bu.	100 lbs.
1063 Rape (Dwarf Essex), Bu. 50 lbs.....	\$1.50	\$5.50	\$10.00
2164 Broom Corn (Dwarf), Bu. 46 lbs.....	1.10	3.60	6.50
1269 Buckwheat (Silver Hull), Bu. 50 lbs.....	1.65	3.00	5.50
1268 Sunflower (Russian), Bu. 25 lbs.....	.60	2.00	7.50

Please order Seeds by number prefixed to each variety. It saves your time in writing the order and our time in filling it.

**R.B. BUCHANAN SEED CO.****MEMPHIS, TENNESSEE.****BUCK BRAND TESTED SEEDS****BUCHANAN'S SPRAY MATERIALS AND INSECTICIDES**

Pages 98, 99, 100, 101)

Liquids	5 Gals.	25 Gals.	Barrel
Oil Emulsion (50 Gals. to Barrel).....	\$3.00	\$10.50	\$16.00
Lime Sulphur Solution (50 Gals. to Barrel)....	3.00	10.50	16.00
Scalecide—5 Gals., \$10.60; 15 Gals., \$13.50; 30 Gals., \$26.00; 50 Gals. Bbl., \$38.00.			
Sulfocide—1 Gal., \$2.75; 5 Gals., \$8.75; 10 Gals., \$15.00; 30 Gals., \$39.00			

DRY INSECTICIDES—(Pages 98, 99, 100, 101)

	25 lbs.	50 lbs.	100 lbs.
Lime Sulphur.....(200 lbs. \$20.00)	\$3.50	\$6.25	\$12.00
Bordeaux Mixture.....	4.50	7.75	14.00
Arsenate of Lead.....	5.50	9.00	16.50
Calcium Arsenate.....	3.75	6.00	8.75
Summer Peach Spray.....	2.25	4.00	7.50
Superfine Sulphur.....	1.75	2.75	4.00
Sodium Fluosilicate.....	3.75	5.50	10.00
Casein Spreader.....	5.00	9.50	17.50
Fish Oil Soap.....	5.00	8.00	12.00
Copper Sulphate.....	3.00	6.00	11.50
Bug Death.....	2.50	4.75	7.50
Hydrated Lime.....	.50	.75	1.25
Slug Shot.....	2.50	4.75	9.50
Paradichlorobenzene.....	6.75	13.00	23.50
Tobacco Dust.....	1.75	3.00	5.50
Pyrox.....	6.25	10.75	15.50
	24 lbs.	48 lbs.	96 lbs.
Dritomic Sulphur.....	4.00	7.20	14.00
	1/2 lb.	2 lbs.	10 lbs.
Black Leaf 40.....	1.25	3.25	11.85

POULTRY FEEDS AND SUPPLIES

	25 lbs.	50 lbs.	100 lbs.
Chick Growing Mash—Conkey's.....	1.15	2.20	4.25
Chick Starter—Conkey's Buttermilk.....	1.40	2.75	5.00
Beef Scraps—Darling's.....	1.40	2.75	5.00
Bone Meal.....	1.30	2.50	4.50

POULTRY FEEDS AND SUPPLIES—Continued

	25 lbs.	50 lbs.	100 lbs.
Oyster Shell (Medium or Coarse).....	\$0.50	\$0.75	\$1.10
Poultry Grit.....	.50	.75	1.20
Charcoal (Fine or Medium).....	1.00	1.75	3.50

DOG FOODS—(Page 93)

	25 lbs.	50 lbs.	100 lbs.
Peerless Dog Food (Meat-Cereal).....	\$1.65	\$3.00	\$5.50
Peerless Puppy Food (Meat-Cereal).....	1.65	3.00	5.50
Ken-L-Ration (Canned Meat), Case 48 1-lb. Cans.....			5.95
Hem-O-Ration (Canned Meat), Case 48 1-lb. Cans.....			5.95

BIRD SEED—(Page 95)

	10 lbs.	25 lbs.	50 lbs.
Recleaned Canary.....	\$1.00	\$2.35	\$4.50
Sweet Bird Rape.....	1.25	2.75	5.00
Mixed Bird Seed.....	1.00	2.35	4.50

BUCHANAN'S FERTILIZERS—(Pages 102, 103)

	100 lbs.	Ton
Buchanan's Truck Grower—8-4-4.....	\$2.40	\$42.50
Buchanan's Cotton Grower—10-3-3.....	2.00	35.00
Buchanan's Acid Phosphate, 16%.....	1.50	23.50
Buchanan's Steam Bone.....	3.50	55.00
Arcadian Nitrate of Soda.....	3.50	60.00
Buchanan's Sheep Manure.....	2.25	40.00
Buchanan's Sulphate of Ammonia.....	3.50	70.00
Buchanan's Muriate of Potash, 50%.....	3.25	58.00
Buchanan's Kainit.....	1.50	23.00
Buchanan's Agricultural Lime.....	2.00	18.50
Bloom Aid (Tablets).....	Box	\$0.25
Bloom Aid (Pulverized).....	Can	.50
Bloom Aid.....	25 lb. Bag \$1.75; 50 lb. Bag \$2.75	5.00
	25 lbs.	50 lbs. 100 lbs.
Armour's Lawn and Garden Grower.....	\$1.75	\$2.75 \$5.00

Buchanan's Imported Turnip Seed—Finest Grown

Experience has taught us that England grows the highest quality Turnip Seed of any country in the world. Therefore, we import all of our turnip seed from England with the exception of Southern Seven Top and Buck-a-loo. TURNIP (Imported from England)—Page 35.

	1 lb.	5 lbs.	10 lbs.	25 lbs.	50 lbs.	100 lbs.
407 Buck-a-loo (From Orient).....	\$1.15	\$4.90	\$9.50	\$22.50	\$42.50	\$80.00
402 American Red Top Globe.....	.55	2.25	4.00	8.75	16.50	30.00
401 Mam-Purple Top Globe.....	.35	1.50	2.50	6.00	11.50	22.00
395 Large White Globe.....	.35	1.50	2.50	6.00	11.50	22.00
399 Purple Top Strap Leaf.....	.35	1.50	2.50	6.00	11.50	22.00
400 Seven Top (Imported).....	.35	1.50	2.50	6.00	11.50	22.00
400A Seven Top (Southern).....	.25	1.20	2.10	5.00	9.50	18.00
403 White Flat Dutch.....	.35	1.50	2.50	6.00	11.50	22.00
404 Southern Prize.....	.35	1.50	2.50	6.00	11.50	22.00
405 Buchanan's Mixture.....	.35	1.50	2.50	6.00	11.50	22.00
406 Extra Early White Egg.....	.35	1.50	2.50	6.00	11.50	22.00
411 Yellow Aberdeen.....	.35	1.50	2.50	6.00	11.50	22.00
413 Amber Globe.....	.35	1.50	2.50	6.00	11.50	22.00
418 Rutabaga (Im. P. T. Yellow).....	.40	1.75	3.00	7.00	13.00	25.00

Frost Proof Cabbage Plants

Our Frost Proof Cabbage Plants are grown along the Atlantic Coast line of the Carolinas where the most hardy cabbage plants known are grown. It takes time to get them from so far away; however, our business on these plants has grown to such large proportions that we are arranging to bring them to Memphis in "carlots" in order to be prepared to ship your order from Memphis when you are ready for them, for the grower who catches a good spell of weather early gets his cabbage plants promptly and sends his cabbage to market before the other fellow, is the grower who is going to make money on cabbage this year.

By Express from Memphis—Not Prepaid: 1,000, \$2.00; 5,000, \$8.75; 10,000, \$15.00; 25,000, \$35.00.

By Express from Growing Station—Not Prepaid: 1,000, \$1.25; 5,000, \$6.25; 10,000, \$10.00; 25,000, \$23.75.

Buchanan's Bermuda Onion Plants

See Page 4—Instructions for Planting, Cultivating and Harvesting

We are bringing these Onion Plants to Memphis in car lots from South Texas where they are grown and can make you very low prices on large quantities. Wire or phone when ready to buy.

Price at growing station, shipped direct to you, Not Prepaid.

Yellow Bermuda, Per Crate of 1,000 Plants, \$1.00; 6,000, \$4.20; 30,000, \$19.50.

Crystal White Wax, Per Crate of 1,000 Plants, \$1.25; 6,000, \$4.50; 30,000, \$21.00.

Buchanan's Certified Sweet Potato Plants

See Page 4 for Descriptions and Varieties

Price shipped from Growing Station, Not Prepaid: 500, \$1.75; 1,000, \$3.25; 5,000, \$13.75.

Wire or phone for prices when ready to buy in large quantities.

Please order Seeds by number prefixed to each variety. It saves your time in writing the order and our time in filling it.



832—Buchanan's Giant Flowering Early Spencer Sweet Peas.



659—Larkspur



521—Aquilegia—
Columbine



606—Eschscholtzia—California Poppy



552—Carnation



GIANT NASTURTIUMS

675—Buchanan's Dwarf Mixed Nasturtiums, Giant Flowering



Buchanan's 10 Finest Roses, Postpaid \$4.00

The above ten roses as named below are field-grown two-year-old roots of the highest quality.
Don't confuse this offer with hothouse-grown stock.

- | | |
|---|---|
| 1. Bush Columbia. A remarkable new pink rose. See page 51. | 7. Alexander Hill Gray. A wonderful yellow prolific bloomer. See page 52. |
| 2. F. K. Druschki. Most popular white rose. See page 50. | 8. K. A. Victoria. Holds first place as the most popular white rose. See page 50. |
| 3. Lady Hillingdon. A golden yellow in color. See page 52. | 9. Red Radiance. A clear cerise-red, does not fade. See page 52. |
| 4. Hadley. Flowers of rich velvety crimson. See page 52. | 10. Pink Radiance. A very brilliant rose-carmine. See page 51. |
| 5. Paul Neyron. The largest flowering pink rose. See page 51. | |
| 6. His Majesty. Note its deep rich red color. See page 52. | |

The Greatest Rose Bargain Ever Offered by Any Rose Grower



HARDY CLIMBING ROSES

PRICES—All Climbing Roses, except when priced with description, Post Paid:

One year old—each, 40c; 3 for \$1.00; 6 for \$1.75; 1 dozen, \$3.25

Two year old—each, 75c; 3 for \$2.00; 6 for \$3.50; 1 dozen, \$6.25

DR. W. VAN FLEET—Pink—The flesh-pink climbing rose. No other climbing Rose has ever created such favorable comment as Dr. W. Van Fleet, for the flowers are so perfect in every way—form, color, delicate fragrance—and borne on such long, strong stems. Cut a bouquet of this variety just before the flowers open and you will find difficulty in procuring any other Roses to compare with them in sheer loveliness. When fully established you can expect several canes 10 to 15 feet long every season, and these canes will produce masses of Roses the following June.

SILVER MOON—White—The grandest white climbing Rose. Flowers are very large, semi-double, and when open resemble a white clematis with a center of golden anthers. A most vigorous grower with large, dark green, shiny foliage.

AMERICAN BEAUTY—Red—Color rosy crimson, exquisite fragrance, a quality rarely found in climbing Roses. Of strong habit of growth. Flowers 3 to 4 inches in diameter, finely formed on long stems, are produced in great profusion and are splendid for cutting.

CLIMBING COLUMBIA—(A Remarkable New Climbing Rose.) It is identical with the great "Columbia," having all the parent's desirable features and in addition it is a wonderful climber, growing ten to fifteen feet in a single season. Blooming, as it does, continuously, bearing blooms of immense size, often measuring six inches in diameter, this at once becomes the greatest of all pink, hardy, ever-blooming, climbing Roses. Color is the same as "Columbia," glowing pink, fragrance delicious. A most remarkable Rose. Each, 1 year, 50c; 2 year, \$1.50.—Post paid.

PAUL'S SCARLET CLIMBER—Vivid scarlet shaded slightly crimson, but almost a flaming scarlet, a most pleasing and striking color. Makes a brilliant display for a long time in the garden. The petals do not fade like many climbing Roses, but retain their bright color, and remain in bloom for from two to four weeks. The Rose received the gold medal and cup for the best Climbing Rose at the National Rose Society's exhibit. See it in color on opposite page. Each, 1 year, 50c; 2 year, \$1.00.—Post paid.

EMILY GRAY—In this we have a real yellow climbing Rose as hardy as Dr. Van Fleet. The buds are long and pointed, of splendid shape; in color a beautiful light orange-yellow, changing to pale orange as they expand; they are borne on stiff stems of sufficient length for cutting; these stems are of a crimson-red color, which, together with the unusually dark green, glossy, holly-like foliage, adds a charm to the flowers and makes the plant, even when out of bloom, a most ornamental subject. Each, 1 year, 50c; 2 year, \$1.50.—Post paid.

THE NEW ROSE

MARY WALLACE

MARY WALLACE—Pillar Rose type. Makes a fine, strong, self-supporting Rose 6 to 8 feet high, with large, glossy foliage, resistant as Bell to all diseases. Blooms with great freedom in spring, and bears a considerable number of fine buds in summer and fall. Flowers well formed, semi-double, bright, clear rose-pink, with salmon base to the petals. Largest in size of any Wichuriana hybrid, generally exceeding 4 inches in diameter.

Price—1 year plants, 60c each; 2 year plants, \$1.00 each, post paid.

MARECHAL NEIL

THE FAMOUS ROSE

The fame of the superb yellow Rose, Marechal Neil, with its large, deep, golden-yellow flowers, is world-wide. It is almost universally held to be the finest Rose for indoors or outdoors, where the climate admits of its cultivation. Its magnificent golden-yellow flowers are almost massive in dimensions, and reports from growers tell of single plants showing one to two thousand blooms at a time. It is of strong growth and beautiful foliage. It is grand in petal, shape, color, fragrance, lasting qualities and size, an extremely free bloomer, and flowers throughout the season. Contrary to many Roses, which lose their color after opening, Marechal Neil decidedly improves and takes a deeper yellow after being kept for a day or two. The tea fragrance is strongly present in this Rose. It is a variety which practically stands by itself. Price, 50c each; two year old plants, \$1.00 each. Post paid.



Dr. W. Van Fleet



Mary Wallace



Marechal Neil

All Roses listed on this page are delivered transportation paid in the U. S. or possessions. Order Early.



Chatelaine Begonia



Bush Coleus

COLEUS—*Bush Coleus*—Aptly called the "garden-er's paint box." We have a superb assortment of brilliant colored varieties, fine for bedding. Used for beds in lawns and parks all over the country. These are all bush sorts. Mixed Colors. 15c. 6 for 75c. 12 for \$1.40.

TRAILING QUEEN—Center of leaves bright red or pink with a broad border of emerald green. Very showy for hanging baskets, window boxes or in pots, as branches hang gracefully over in festoons two to three feet long. 20c. 3 for 55c. 12 for \$1.90.

GIANT CHRISTMAS GEM—Leaves immense, 8 to 12 inches long; cannot be excelled as a pot plant. Grows 2 to 3 feet high with huge leaves of bright carmine, shading to deep maroon with margins of yellow and green. 30c. 3 for 80c.

Buchanan's Flowering Plants

Plant orders, including collections, cannot be shipped after June 1st so please do not order after May 20th. Plant orders are always filled separately from seed orders, seeds being sent first, and plants sent as soon as season permits digging and shipping. We won't ship plants in extremely cold or in hot weather and cannot send them outside of the United States.

For Shrubs, Evergreens, Fruit and Shade Trees, Vines, Berries and Nursery Stock see pages 62 to 71.

All Prices on this Page Post Paid

AGERATUM—*Blue*—Showy blue flowering plants for beds, borders, edging, boxes. Profuse flowering all summer until frost. 20c. 3 for 55c. 12 for \$1.80.

ANTIRRHINUM—*Snapdragon*—Our rich colored, giant flowering Snapdragons on large spikes bloom continuously. Their lasting qualities as cut flowers make them unrivaled and may be grown in beds, borders or pots. Order by variety name. *Firefly*, scarlet. *Butterfly*, soft bronze. *Snowflake*, snow-white. *Rose Queen*, flaming pink. *Golden King*, mammoth yellow. 20c. 3 for 55c. 12 for \$2.00.

SPECIAL OFFER—One Snapdragon plant each of the 5 colors, 85c. Five each of the 5 different colors, 25 plants in all, only \$3.75.

AQUILEGIA—*Columbine*—The distinct, clear cut foliage and delicate arrangement of flower colors in Columbine make it a showy and very desirable hardy garden plant. Especially suitable for rock-work, at the base of walls and under trees. It blooms each year in April, May and June in the South, long spurred flowers on graceful stems, grand for cutting. Ours is the finest strain of this popular hardy perennial and these plants are of noteworthy hybrids in shades of pink, lavender, white, yellow and cream. Mixed colors. 25c. 3 for 70c. 12 for \$2.50.

ASPARAGUS SPRENGERI—Also called *Emerald Feather*. A magnificent porch or basket plant in the South. The fronds or leaves grow 4 to 5 feet long. Hundreds of magnificent plants of this are seen every summer on the porches in Memphis, and when cold weather comes it makes a splendid house plant. It succeeds under almost any conditions. 25c. 3 for 70c. Large Plants, 45c. 3 for \$1.25. Extra large, 60c each.

ASPARAGUS PLUMOSUS NANUS—The delicate climbing Lace Fern. Grown for its delicate lace-like foliage, whole greenhouses being devoted to its culture. Even more beautiful and graceful than Asparagus Sprengeri for pot and basket planting. 25c. 3 for 70c. Large Plants, 45c. 3 for \$1.25. Extra large, 60c each.

BOSTON IVY—*Ampelopsis Veitchii*—One of the most attractive strong growing vines of all and does well planted on the north and east sides of houses almost anywhere in the Cotton Belt and further north. The vines are covered with clinging tendrils that cling closely to walls, chimneys, etc. Makes a solid mass of dense, dark green, turning to brightest shades of crimson, red and yellow after being touched with frost. 25c. 2-year plants, 75c. Extra strong 2-year plants, \$1.25.

FLOWERING BEGONIAS

CHATELAINE SUPREME—New *Everblooming Begonia*. Finest bloomer known; low bushy habit and literally covered the entire year with a wealth of beautiful Christmas-red flowers and yellow stamens. 35c. 3 for \$1.00.

BUDDLEIA—*Everblooming Butterfly Bush*—The name Butterfly Bush was applied to it because it seems to attract butterflies in large numbers. This shrub from a young plant will mature to full size the first summer, producing a handsome bush about 4 feet high. It produces long, graceful stems, which terminate in tapering panicles of beautiful lilac-colored flowers that are of miniature size and borne by the hundreds on a flower head which is frequently ten inches long. A single plant the first season will throw out as many as fifty flower spikes. The year after planting, it generally commences to flower in June and continuing each season until severe frosts nip it. While hardy cut back to 6 inches in the fall. We recommend covering the roots with manure, leaves or other suitable materials as winter approaches. 25c. 3 for 70c. Large Plants, 60c. 3 for \$1.70.

CIGAR PLANT—*Cuphea Ignea*—The old-fashioned cigar plant with numerous narrow, tubular flowers of scarlet tipped with purple. Popular because always in bloom. Bright and attractive. Grows bushy plants about 15 inches high. Strong Plants, 20c. 3 for 55c.

CREPE MYRTLE—A real Southern Plant and should be in every yard in the South. Our friends are delighted with this magnificent plant with lustrous green foliage. It will attract attention in any landscape. Red Crepe Myrtle. 40c. 3 for \$1.10. 12 for \$3.50.

DELPHINIUM—*Perennial Larkspur*—Exquisite large spikes of various shades of blue flowers from June until killing frost. Most popular of all blue flowers and these are finest hybrids, light blue shades predominating. All perennial gardens need Delphiniums. 35c. 3 for \$1.00. 12 for \$3.50. Large Plants, 60c. 3 for \$1.70. 12 for \$6.00.

All plants listed on this page are delivered transportation paid in the U. S. or possessions. Order Early.



Buchanan's Chrysanthemum Collection

All Prices on this Page Post Paid

12 Superb Exhibition Varieties—Postpaid for \$2.00.

SILVER SHEEN—Pure white, incurved form. Excellent keeper. Each 20c. 3 for 55c. 6 for \$1.05. 12 for \$2.00.

SUN GLOW—A bright yellow of a tight incurved form. Flowers are good and carried on a good stem with plenty of foliage. Each 25c. 3 for 70c. 6 for \$1.30. 12 for \$2.25.

TIGER—The easiest of all yellows to cultivate. Flowers are always double and excellent color. Very sturdy stems with fine foilage. Each 20c. 3 for 55c. 6 for \$1.05. 12 for \$2.00.

BETSY ROSS—This variety is very highly praised by the commercial grower. Pure white incurved flowers of the largest size. Each 25c. 3 for 70c. 6 for \$1.30. 12 for \$2.25.

ENCHANTRESS—Bright rose pink of a very even shade. Very early. Each 20c. 3 for 55c. 6 for \$1.05. 12 for \$2.00..

CHAS. RAGER—A pure white incurved. Good flowers, stems and foilage. Each 20c. 3 for 55c. 6 for \$1.05. 12 for \$2.00.

J. W. PRINCE—A wonderful dark pink. Flowers large and full, good stems and foilage. Each 25c. 3 for 70c. 6 for \$1.30. 12 for \$2.25.

RICHMOND—A bright golden yellow of perfect form and fine finish. This is one that any grower of Chrysanthemums should not be without. Each 25c. 3 for 70c. 6 for \$1.30. 12 for \$2.25.

WHITE CHIEFTAIN—A fine white incurved with a trace of pink at times. Fine grower. Each 20c. 3 for 55c. 6 for \$1.05. 12 for \$2.00.

GOLDEN KING—A beautiful yellow of finest incurved form. Large massive flowers. May need protection from early frost. Each 25c. 3 for 70c. 6 for \$1.30. 12 for \$2.25.

GLADYS PEARSON—A new shade of yellow. Tall grower, good foilage and perfect flowers. Will need protection the same as Golden King. Each 20c. 3 for 55c. 6 for \$1.05. 12 for \$2.00.

GLORIOUS—A wonderful light pink flower that is really glorious. Each 25c. 3 for 70c. 6 for \$1.30. 12 for \$2.25.

CYPERUS ALTERNIFOLIUS—Umbrella Plant—This is a plant of the easiest culture and a large specimen is as handsome as a palm for decoration. It makes a handsome pot plant or can be used in baskets or vases. It will grow luxuriously in water, and is, therefore, indispensable for aquariums or fountains. 20c. 3 for 55c. 12 for \$2.00.

DRACENA—Indivisa—Beautiful pot, vase and basket plant with long slender leaves, the lower ones droop gracefully. The leaves of several shades of green with delicate stripings of yellow and red gives it the name of "Fountain Plant." 20c. 3 for 55c. Large Plants, 40c. 3 for \$1.10.

FERNS—Boston Fern—Every house ought to have one or more of these splendid decorative plants for the porches in summer or indoors in winter; easily grown. **ASPARAGUS FERNS** are listed on Page 81. We have some beautiful specimens of this in our own home. The fronds frequently attain a length of five to six feet. Many call it the "fountain fern" on account of its graceful drooping habits. We use it as a house plant in winter and under shade trees in summer. Every one who sees these ferns admires them and wants to know how to get them. This is a standard and most popular variety. 30c. Large Plants, 60c and 90c each. **"OSTRICH PLUME"**—It has taken gold medals wherever shown and we consider it one of the most valuable ferns introduced in many years. The large decorative fronds are made up of many leaflets that are themselves finely divided and really, it is a charming fern. 35c. Strong Plants 85c.

HIBISCUS—We have found the Chinese Hibiscus one of the most satisfactory of all plants for open ground culture in summer and as a house plant in winter. In Florida and the Gulf Coast section they are all well adapted to open ground plantings, and can be trimmed to any shape desired or used as a hedge.

NEW PINK HIBISCUS—"Peachblow"—Double flowers, 4 to 5 inches across; of a charming, rich, clear, pink color, with small, deep crimson center. Blooms abundantly during the summer and fall months. Older plants, 2 to 3 years old, make a magnificent show. It blooms well in the winter in any sunny window. 30c. Large Plants, 60c each.

BABY'S BREATH FERN—This is the most delicate of all lace ferns. It really looks like filigree work. In many respects it is a far better and more ornamental variety than any of the others. It looks to us like the finest of all dish ferns. 40c. Large Plants, 65c and 90c each.

FUCHSIAS—The following list of Fuchsias is made up of right varieties for the South. The writer thinks they are the most interesting, attractive and charming flowers grown.

BLACK PRINCE—Finest for the amateur grower; very hardy free bloomer with buds of beautiful waxy carmine or pink color. 25c. 3 for 70c.



Enchantress Chrysanthemum



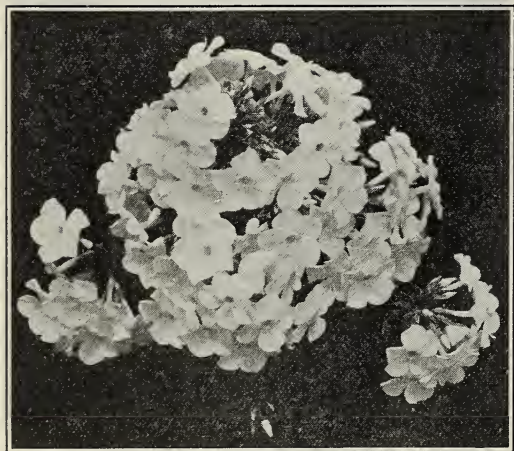
Gladys Pearson Chrysanthemum



Boston Fern



Bedding Lantana



Mrs. Jenkins Phlox



Bridesmaid Phlox

Lantanas, Verbenas, Hardy Phlox

All Prices on this Page Post Paid

HANGING BASKET COLLECTION—You will find many places for Hanging Baskets, on your porch, in your yard and in your house. We offer you here a beautiful collection of twelve plants to fill a hanging basket and these graceful and decorative plants are especially suitable for this purpose. The plants will be of our selection, such as Boston Fern, English Ivy, Lantana, Asparagus Sprenger, Wandering Jew, Double Geranium, Variegated Vinca, Single Geranium, Coleus, Single Petunia. **Special Offer**—These 12 Plants, Our Hanging Basket Collection, for \$2.25.

HELIOTROPE—Midnight—This new giant flowered, sweet scented variety is of darkest lavender color and a wonderful variety. Great favorite for bedding, its delightful fragrance giving it a foremost position among fragrant flowers. Plants bear immense blooms in a color so rare among bedding plants. 25c. 3 for 70c. 12 for \$2.35.

HONEYSUCKLES—The flowers are sweet-scented and the growth luxurious. They make wonderful growth and last for years. Splendid for covering fences, stumps, arbors, etc.; fragrant and pleasant, attractive, in perfect taste on practically any lawn and especially easy to grow, requiring little or no cultivation. Each 25c. 4 for 90c.

LANTANA—Bedding—One of the best bedding plants, affording a great variety of colors. They make splendid specimen plants for window and porch boxes and in the lawn as well. Their free-blooming habit has made them extremely popular for pot plants. These are called "Perpetual Blooming," the unexcelled everblooming bedding plants. Colors range from pure white to yellow, crimson, purple-vermilion, pink and variegated rose and yellow. Mixed, 25c. 3 for 70c. 12 for \$2.40.

LANTANA—Weeping—New weeping plant of great beauty. Graceful, drooping habit, growing very rapidly and blooming continually summer and winter. Produces large clusters of lilac flowers over a beautiful dark green foliage. Easily grown and gives wonderful satisfaction in pots, boxes and hanging baskets. 25c. 3 for 70c. 12 for \$2.40.

LEMON VERBENA—This splendid plant ought to be in every plant collection in the South. It is well adapted to our section and has the greatest fragrance of any plant grown. This fragrance is entirely that of the lemon, hence its name. One large plant will scent an entire yard. 25c. 3 for 70c. 12 for \$2.50.

MOONFLOWER—Giant White—A giant in growth and in size of flowers and is wonderfully fragrant. A decided improvement over the old White; flowers being nearly twice as large, often over six inches across, and practically covering the whole vine. Growth is very rapid in light, rich soil and wonderful for shading porches. 20c. 3 for 55c. 12 for \$2.00.

PANSIES—One of the most satisfactory plants and our Emperor Pansies are the best the world produces. They are the choicest large-flowering sorts, both of European and American growers. It has been our grower's aim to make this the finest strain of this favored flower in existence. We have a large assortment and can supply you in any quantity you may want. 15c. 3 for 40c. 6 for 75c. 12 for \$1.25.

HARDY PERENNIAL PHLOX

LAVEGENE—Pinkish salmon, tall, showiest of all, many spikes, 30c. 3 for 80c. 12 for \$3.10.

BRIDESMAID—Pure white, clear carmine eye. Large round heads. 30c. 3 for 80c. 12 for \$3.10.

MISS LINGARD—Pearly white, faint yellow eye. Remarkable bloomer. 2 or 3 crops a season. Superb cut flower. 30c. 3 for 80c. 12 for \$3.10.

MRS. JENKINS—White. Splendid for mass planting. Blooms early and profusely. 30c. 3 for 80c. 12 for \$3.10.

PANTHEON—Large, clear, deep, bright pink with faint halo; charming variety of Phlox. 30c. 3 for 80c. 12 for \$3.10.

RHEINLANDER—New great beauty. Rare shade of salmon-pink with distinct claret-red eye. Large. 30c. 3 for 80c.

SPECIAL—Phlox Offer—Any six Phlox for \$1.65. Any ten Phlox for \$2.65. One dozen Phlox, one or more varieties, \$3.10.

RIVERTON JEWELL—Tender peach blossom pink with bright rose eye and suffusion. Extra large; erect. 30c. 3 for 80c.

R. P. STRUTHERS—Clear cherry-red, suffused with salmon shades; deep red eye. The best Phlox grown. 30c. 3 for 80c.

RYNSTROM—Medium tall, most exquisite pink. 30c. 3 for 80c. 12 for \$3.10.

SIEBOLD—Red. A brilliant and very striking variety and a wonderful color. 30c. 3 for 80c. 12 for \$3.10.

SUNSET—Beautiful orange-red. One of the finest and most showy with its glowing color. 30c. 3 for 80c. 12 for \$3.10.

THOR—Deep salmon-pink suffused scarlet. Light halo around aniline red eye. Very effective. 30c. 3 for 80c. 12 for \$3.10.

All plants listed on this page are delivered transportation paid in the U. S. or possessions. Order Early.



Buchanan's Petunias, Salvia Geraniums

All Prices on this Page Post Paid

SINGLE BEDDING PETUNIAS

ROSY MORN—The plants are bushy and compact, the medium size flowers, produced in great abundance throughout the entire summer and fall are of a most pleasing clear pink, contrasted by a broad white throat. A splendid sort for porch boxes, pots and beds. 15c. 3 for 40c. 6 for 75c. 12 for \$1.50.

STRIPED AND BLOTCHED—A good strain of the small-flowering type; beautifully striped and blotched flowers; fine for massing. 15c. 3 for 40c. 6 for 75c. 12 for \$1.50.

PETUNIAS—A splendid assortment made up of California Giants and our Ruffled Giant Petunias in a wonderful assortment of colors and forms. These are the most beautiful of all Petunias. 20c. 3 for 55c. 12 for \$2.00.

PINKS—Hardy Scotch or Old-Fashioned—All-round favorites in the South. These are the Pinks of our mothers' gardens. Fine for beds, edging and porch boxes. These come in all colors and no old-fashioned garden or bed is complete without the beautiful Sweet May Pinks. 25c. 3 for 70c. 12 for \$2.50.

CHINESE—New Hardy Pink fine for cemetery as well as home planting. 25c. 3 for 70c. 12 for \$2.50.

PLUMBAGO CAPENSIS—This flower is a great favorite and is easily grown in open ground almost everywhere in the South. No collection of flowers should be without one or more plants of Plumbago Capensis, giving as it does an abundance of lovely sky blue flowers. 25c. 3 for 65c. 12 for \$2.50.

PORCH BOX COLLECTION—This splendid assortment will save you much trouble and expense in filling your window or porch boxes and urns. Nicely balanced and in good taste. Our selection of 12 plants, such as Water Ivy, Wandering Jew, Ostrich Fern, Boston Fern, Vinca, Ivy Geranium, Coleus, Petunia, Begonia, Verbena, Geranium, Feverfew, Asparagus Sprenger, Russelia, Hibiscus. This collection for only \$2.35.

SALVIA—Scarlet Sage—See illustration of Salvia in the flowerseed section. No plant is more popular in the South than the Salvia for bedding. In late summer and fall up to the time frost comes it is a mass of blooms, and in the case of the scarlet varieties it makes a mass of fiery red unequalled by any other flower on our list. Some of our customers buy them by the hundreds for bedding purposes. 20c each. Any 3 for 50c. 12 Salvia plants, any kind for \$2.00.

SCARLET SPLENDENS—Standard fiery scarlet. 20c. 3 for 50c.

BLUE—Perennial—Very beautiful. 20c. 3 for 50c.

AMERICA—Splendid new dwarf Salvia. Compact bush completely covered with rich scarlet flowers. Wonderful bedding variety. 20c. 3 for 50c.

ST. LOUIS—Almost double; long spikes; rich red. 20c. 3 for 50c.

ZURICH—Dwarf red and a splendid bloomer. 20c. 3 for 50c.

SHASTA DAISY—Burbank's—One of the marvelous productions in the flower line. Extremely hardy perennial with large, free-blooming flowers that last 2 weeks after being cut. 30c. 3 for 85c. 12 for \$2.75.

SWEET WILLIAM—Beautiful summer bedding plant, produces masses of velvety crimson-scarlet double flowers. See description and picture in flower seed section. 25c. 3 for 70c.

SWEET PEA—Mixed—Hardy Perennial—Free flowering, extremely attractive, hardy type of Sweet Pea with similar pink flowers that stay in bloom all summer. Lives for one year in freezing climates, for a number of years in California, Florida and other such climates, making a heavy, self supporting vine growth covered with bloom. 50c. 3 for \$1.25.

VINCA—TRAILING—Variegated Periwinkle—Variegated yellow on green foliage. One of the finest trailing vines for hanging baskets, vases and boxes. Blue flowers. 20c. 3 for 55c. Larger Plants, 35c. 3 for 95c.

WANDERING JEW—Fine trailing plant and extremely popular for hanging baskets and window boxes. Rapid grower, two-color foliage and indispensable. 20c. 3 for 50c. 12 for \$1.90.

WATER HYACINTH—Beautiful plant for growing in water vessels and in ponds in lower South. Curious shining green leaves, exquisite spikes of lavender or lilac-rose flowers, resembling Hyacinths. Plants in soil under shallow water. 30c. 3 for 55c.

WAX PLANT—Pink Flowering—Especially suitable for covering banks, rock-work, for use in hanging baskets and pots. Of bushy growth, free flowering, beautiful pink flowers. Wax-like appearance. 25c. 3 for 70c.

WISTARIA—Chinese—Splendid climber for porch shade. When in full bloom truly magnificent with its masses of flowers in long drooping racemes like bunches of grapes. See illustration of this most attractive hardy climber. Very popular throughout the South. 35c. 3 for \$1.00. Grafted Plants, \$1.50.



Jean Viaud Geranium



Water Hyacinth

DAHLIA FLOWERED—ZENNIA PLANTS—Mixed Colors. Each 20c. 3 for 55c. 6 for \$1.05. 12 for \$2.00.

GERANIUMS

JEAN VIAUD—Deep Pink—A splendid shade of deep rose-pink with distinct white blotch in the center. Habit of growth dwarf and compact. Produces flowers in quantity. Best pink Geranium for bedding yet introduced.

S. A. NUTT—Very large truss of deep crimson-black blossoms and elegant foliage. Highly prized.

HELEN MITCHELL—Clear, light, brilliant scarlet. Sometimes semi-double.

MADAME BUCKNER—White—The best white Geranium.

25c. 3 for 65c. 6 for \$1.25. 12 for \$2.25.

BUCHANAN'S

IMPORTED FLOWERING BULBS

FOR SPRING AND AUTUMN PLANTING



Cannas

No other bedding plant will give the same uniform good results in our varied and trying climate. They do well in all sections of the country and stand pre-eminently at the head of the list, succeeding in any sunny position in any kind of soil, but responding quickly to liberal treatment. For best results the beds should be spaded two feet deep and a generous amount of well-decayed manure of any kind thoroughly incorporated, and at all times supplying water freely. For best effect plant in large masses of one color, setting out the plants two feet apart.



City of Portland Canna



Caladiums

All Prices on this Page Post Paid

	Ea.	Doz.	100
950 CITY OF PORTLAND. A glowing pink, deeper in color than its parent, Mrs. Alfred F. Conard, and the flowers are borne in greater profusion; height, 3½ feet; foliage green.	.30	2.75	13.00
951 KING HUMBERT. A brilliant orange-scarlet, with bright red shadings. Large trusses of blooms, the individual flowers being six inches in diameter. Foliage a rich reddish bronze with lighter shadings. The finest red foliage and flowering variety grown. Height 5 feet.	.25	2.25	12.00
952 YELLOW KING HUMBERT. A green-leaved sport of the popular King Humbert. It has the same habit of growth and free-flowering qualities, but the flowers are bright yellow and lightly spotted with red. This is the best yellow Canna now on the market.	.25	2.25	12.00
953 THE PRESIDENT. Green foliage. Color bright glistening scarlet. The individual florets often measure seven inches across when open. The flowers are borne just high enough above the foliage to show the entire head. Height 5 feet.	.25	2.25	12.00
954 MRS. ALFRED F. CONARD. This has become the most popular pink Canna ever introduced, and it is unsurpassed for planting, either singly or in large beds. Its exquisite salmon-pink flowers are of largest size. Wonderfully profuse in blooming, large heads. Green foliage. Height 4 feet.	.30	2.75	13.00
955 EUREKA. This variety is the result of many years of careful hybridizing, and is the best white Canna for all purposes. A strong grower, with glossy green foliage. Height 4½ feet.	.30	2.75	13.00
959 Buchanan's Collection of Canna Bulbs. One bulb each of six named varieties	\$1.15		

Mammoth Caladium Bulbs

These are particularly fine for center of beds, giving a beautiful effect where Cannas and Scarlet Sage are planted on the outside borders. They are only the choicest and most select bulbs, producing the most massive effect with their foliage.

975 Extra Large Bulbs.	.50	5.00	.....
976 Large Bulbs.	.25	2.75	.....
977 Small Bulbs.	.15	1.50	.....

Tuberose

One of the most delightfully fragrant and beautiful of the summer-flowering bulbs. By skillful management a succession of flowers may be obtained all the year round. For early flowers they can be started in February or March in the greenhouse or hotbed; and for a succession they can be planted at intervals as late as July. For flowering in the open border, plant about the middle of May, or as soon as the ground becomes warm.

981 Excelsior Double Pearl. Pure white, double-flowering Tuberose.	.10	.75	4.75
980 Armstrong's Ever-Blooming. This variety blooms year after year, and has a fragrance similar to the "Jasmine"	.10	.75	4.75

All Bulbs listed on this page are delivered transportation paid in the U.S. or possessions. ORDER EARLY.



Gladiolus

CULTURE—What a wonderful stride the Gladiolus has made during recent years. Its popularity today is exceeded by few other flowers, and it has by no means reached its limit. And there are good reasons for this popularity. Failure with it has never been known. Gladiolus will grow in any open position, where there is a fair amount of sun, and bloom well. They are not only showy in the garden, but, when cut with the first flower open will last for 10 days in the house. The newer colorings defy the choicest orchids. Plant bulbs 3 to 4 inches deep, 6 inches apart and stake when 2 feet high. Flowers appear from early July until late in the fall.

All Prices on this Page Post Paid

	Ea.	Doz.	100
960 AMERICA. Perhaps the most popular Gladiolus grown, immense flowers of exquisite soft pink, glistening in the sunlight as if sprinkled with diamond dust. A touch of tyrian-rose ornaments the throat. Strong grower, free bloomer, tall, well furnished spike.....	.05	.50	3.50
961 MRS. FRANCIS KING. A most beautiful and vivid pink; 18 to 20 immense flowers borne on a long, strong spike.....	.10	.75	5.00
962 CHICAGO WHITE. One of the leading varieties for cut flower purposes. Pure white with lavender markings in the throat; early blooming; several flowers open at one time.....	.05	.50	3.75
963 SCHWABEN. Strong, erect spikes and large, well expanded flowers of a clear canary yellow; a magnificent cut flower, because the flowers all open pretty much at one time.....	.10	.75	5.00
964 BARON HULOT. Full round flowers of rich velvety purple-violet, lighter in the throat, a small golden rib through the lower petals is contrastingly effective, splendid tall, well furnished spike.....	.10	1.00	7.00
965 HERADA. Blooms of immense size on tall straight spikes; the color is pure mauve, glistening and clear, with deeper markings in throat.....	.10	1.00	7.00
966 MRS. FRANK PENDLETON. Immense round flowers of great substance. Coloring most attractive; vivid pink toning off blush, the lower petals being further ornamented with large velvety orange-red blotches in the throat, tall, strong grower.....	.10	.60	4.00
967 HALLEY. Delicate salmon-pink, with a slight roseate tinge, the lower petals bear a creamy blotch with a stripe of bright red through the center.....	.10	.75	5.00
968 PANAMA. A grand seedling of America, which it resembles, but is of a deeper pink; flowers very large and spike long.....	.10	.75	5.00
999 WAR. A magnificent variety of rich ox-blood red; shaded with darkest crimson.....	.10	1.00	7.00



Gladiolus

982 BUCHANAN'S COLLECTION OF GLADIOLUS

One Bulb Each of Ten Named Varieties..... **75c**

Dahlias

Spade or plow the ground to a depth of about 8 inches. As a fertilizer use either well-rotted Stable Manure or better still, Sheep Manure, which should be well mixed with the soil. When the soil is properly prepared, dig a hole, 6 inches deep, in which to plant the Dahlias. The bulbs should be LAID DOWN FLAT and covered to depth of 4 inches. Every Dahlia should have from 2½ to 3 feet space and at least 4 feet between the rows.

985 WHITE	986 YELLOW	
987 RED	988 PINK	
989 PURPLE	990 STRIPED	
991 SALMON	992 ORANGE	
All Dahlias above .....		.25 2.75 18.00
994 BUCHANAN'S COLLECTION OF DAHLIAS. One bulb each of eight separate colors.....		\$1.75



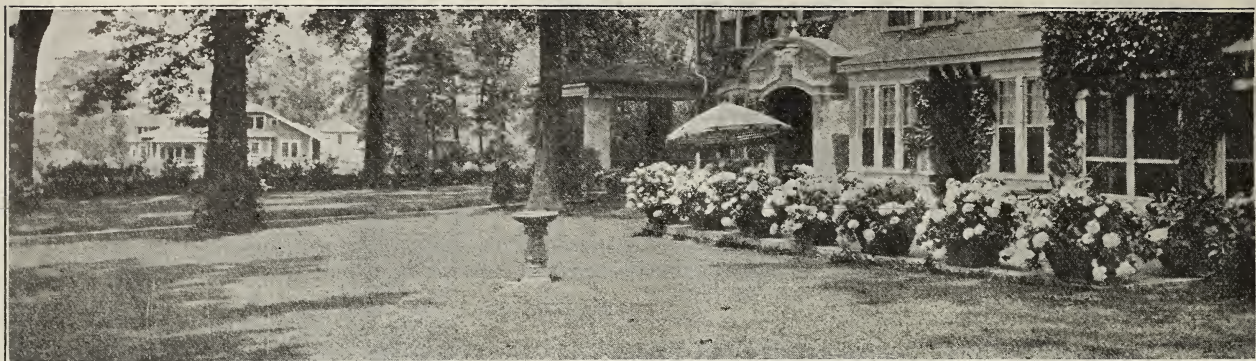
Dahlia

Imported Spring Flowering Bulbs

Arrive from Holland about August 1st and we can mail you price list about that date.

HYACINTHS - TULIPS - NARCISSUS - CROCUS - FREESIAS - PEONIES

All Bulbs listed on this page are delivered transportation paid in the U.S. or possessions. **ORDER EARLY.**



Buchanan's Dependable Lawn Grass Mixtures

We have given the subject of lawns much thought during the past few years, and after careful study and experiments with all grass seeds, know that we have a mixture listed below which will answer your purpose, regardless of the size space you have to cover.

Our Buck Brand Lawn Grass Mixtures are used all over the South by all classes, from the owners of small homes to the owners of large estates; also by Golf Clubs, City Parks and Cemeteries. Do not have your lawn sodded before talking or writing us about same, as sodding is not only expensive, but so often you get many wild grass seed with the sod, which is expensive to eradicate.

QUANTITY TO SOW FOR LAWNS—You cannot sow too much; the more, the better; it means quicker, more satisfactory and lasting results. We recommend, on new ground, for average mixtures, to sow as follows: One pound on 100 square feet (10x10); six pounds on 600 square feet (20x30); 15 pounds on 1,500 square feet (30x50). A good rule is to figure one pound for each one hundred square feet. For renewing old lawns call to see us or write, giving full information regarding the present condition of your lawn.

Hints on Formation of Lawns

Spade or plow ground to the depth of 8 inches. Afterwards harrow or rake carefully, pulverize all lumps, and remove all large stones. If the soil is shallow, procure a supply of fine mold and spread over the surface to a depth of 2 inches. Soil may be enriched by bone meal or commercial fertilizers, then rake level and roll the soil well to make a solid bottom. Scatter the seed evenly over the surface. Rake seed in and roll, water regularly and carefully, as the soil is liable to dry out in the heat of the day, and if it does while the seed are germinating it will invariably perish. When the grass is three inches high it should be cut and rolled, and every week or so thereafter until the grass has become firm. Eradicate weeds whenever they appear, without disturbing the grass. Should bare spots appear, rake the surface and sow more seed.

FERTILIZING—Nothing will give a lawn the rich, deep green velvety appearance so much admired like a liberal dressing of a good fertilizer. (See pages 101, 102, 103.) Our fertilizers are specially prepared with that end in view and we can strongly recommend them.

BUCHANAN'S PERMANENT LAWN GRASS

1117—BUCK BRAND PERMANENT LAWN GRASS SEED—By far the best mixture of grasses offered for the purpose of quickly producing a permanent lawn. It is prepared from our own formula, and is a careful blending of varieties adapted to producing the thick growth and velvety appearance so much sought after. Each variety of grass in its composition is there for a special purpose; some for making strong, fibrous roots, which take hold upon the soil and keep the turf in place; others of a creeping nature quickly fill up any bare spots which may be caused by the taller sorts dying down; varieties which are useful for their color value, and also kinds that are able to withstand the beating rains. Price, 1 lb., 50c; 5 lbs., \$2.50; 10 lbs., \$4.75, post paid. Write for prices on quantities.

BUCHANAN'S SHADY LAWN GRASS

1118—BUCK BRAND SHADY LAWN GRASS SEED—Usually it is not difficult to obtain good turf under trees if the correct seed varieties are used. In very stubborn cases, where the shade is excessive, it may be necessary to remake the lawn every season for two or three years, in which case, procedure may well be as follows: Add lime every autumn at the rate of 1 pound to each 20 square feet; fork the land lightly in the spring, and apply Pulverized Sheep Manure at the rate of 1 pound per 20 square feet; rake smooth and sow Buck Brand Shady Lawn Grass; rake again to cover the seed and either roll with a light roller or flatten with the back of a spade; sow some further seeds to renovate the lawn at the end of summer. Use as a minimum allowance 1 pound of seed for each 10 feet by 10 feet; sow at half these rates when renovating a lawn, and use double this quantity for quick results. Price, 1 lb., 50c; 5 lbs., \$2.50; 10 lbs., \$4.75, post paid. Write for prices on quantities.

BUCHANAN'S TERRACE LAWN GRASS

1118-A—TERRACE GRASS—Ordinary lawn grass will not hold the soil on terraces and embankments, which require a thick turf, composed of varieties which make strong roots to take hold of the soil and prevent washing by heavy rains. Our Terrace Grass is a carefully prepared combination of such grasses as will fill the requirements by making a quick growth of grass which will form a strong mat and present a good appearance. It will grow well anywhere, but it is best to enrich the soil with our sterilized Sheep Manure, or with Bone Meal, in order to provide nourishment to the young roots and give a vigorous start to their growth. Sow as recommended above, paragraph one. Price, 1 lb., 50c; 5 lbs., \$2.25; 10 lbs., \$4.25, post paid. Write for prices on larger quantities.

WHITE DUTCH CLOVER SEED

1056—WHITE DUTCH CLOVER—Excellent for use on lawns; forms a close very dwarf herbage and remains green throughout the season. For prices see page 80.

ENGLISH RYE GRASS

1107—ENGLISH RYE—Very valuable for permanent pasture; also for lawn purposes. It makes a very heavy leaf growth for pasture or hay. Withstands drouth to a remarkable degree. Used extensively throughout our section for lawns. Use it in Bermuda sod to keep the lawn green during the fall, winter and early spring, when the Bermuda is dormant. Sow from September until March at the rate of one to two bushels to the acre. Price—1 lb., 40c; 5 lbs., \$1.50; 10 lbs., \$2.75; 15 lbs., \$3.75. Write for prices on quantities.

All Seeds listed on this page are delivered transportation paid in the U. S. or possessions. Order early.

QUANTITY PRICES—On all seeds see yellow price list in center of book.



BUCHANAN'S—Grass Seed *for Golf*

Putting-Green Mixtures

WHY USE MIXTURES? You may sow one variety of grass only if you wish; good results are often obtained and some authorities recommend it, but we do not. Rather than seeding with one kind, we prefer the use of mixed seeds. An established green from a mixture of varieties gives a good turf quickly, one that is more uniform throughout the year and is less likely to suffer badly from extremes of climate or from attacks of fungous disease. The use of mixtures as against separate varieties has the practical support of many years' experience.

QUANTITY OF SEED REQUIRED—There is considerable variation of opinion on this point, but we generally find long-experienced turf-growers lean toward heavy seeding; we have known many cases of disappointment traceable to too light seeding; it is rare to see a case where seed have been sown so thickly that failure has occurred. Use one pound of mixed seeds to 100 square feet (10x10) when seeding a new putting-green. It is usual to allow one-half this quantity when applying seed for renovating a worn turf.

1119—BUCK BRAND GOLF COURSE MIXTURE—A mixture composed of short-growing, deep-rooting varieties that resist wear. It retains its color well during the severe drouths. Fairways, to retain their permanency, should receive additional sowings during the season to replace any weak or worn-out spots. Sow about 100 lbs. per acre. Price—1 lb., 50c; 5 lbs., \$2.40; 10 lbs., \$4.75, post paid. Write for prices on quantities.

1119-A—"PUTTING-GREEN" MIXTURE—A careful study of the requirements for making the most substantial turf for Putting Greens developed the mixture herewith offered by us for this purpose. The varieties comprising it are all of the fine-bladed, low-growing and most hardy kinds, and maintain their rich green color throughout the season. For Tennis Courts, Cricket Tables, and wherever a billiard table smoothness is necessary, this superfine mixture will give the desired result. Price—1 lb., 50c; 5 lbs., \$2.00; 10 lbs., \$3.75; 15 lbs., \$5.25, post paid.

1119-D—PUTTING-GREEN GRASS SEED—This is composed of only the very finest grasses of the highest quality, and is well designed to withstand the wear and tear of an ordinary green. Use 1 lb. per 100 square feet for sowing new, and about ½ lb. per 100 square feet for renovating old greens, depending on the condition of the soil. Price—1 lb., 40c; 5 lbs., \$1.75; 10 lbs., \$3.00; 15 lbs., \$3.75, post paid.

1119-B—"GOLF LINKS" GRASS—Prepared from a special formula, with the object of producing a thick turf that will stand the hard usage suffered by the average fairway. For the Golf Course, Teeing Ground, Football and Polo Fields and other Athletic Grounds, or for the Lawn which has to withstand hard wear, this mixture will give perfect satisfaction. Price—1 lb., 50c; 5 lbs., \$2.40; 10 lbs., \$4.75, post paid. Write for prices on quantities.

1119-C—HOME PUTTING-GREEN MIXTURE—Many golf enthusiasts have devoted a part of their lawn to a home putting green and at a moderate expense. We have prepared this mixture specially for this purpose. We use the very finest grasses, including genuine German Creeping Bent. A putting green requires care. 15 lbs. will seed a green 25x25 feet. Price—1 lb., 50c; 5 lbs., \$2.25; 10 lbs., \$4.00; 15 lbs., \$6.00, post paid.

1100—BERMUDA GRASS—Absolutely the best grass to stand our extremely hot sun in the South. See page 84.

1119-D—CURB LAWN GRASS SEED—It is often difficult to maintain a satisfactory lawn on the area between the sidewalk and curb. Specially prepared for that area, this mixture will grow a good lawn where others fail. It contains grasses which will thrive naturally in dry and partially shaded situations. Use 1 lb. for 200 sq. ft. Price—1 lb., 50c; 5 lbs., \$2.25; 10 lbs., \$4.00; 15 lbs., \$6.00, post paid.

1119-E—FAIR-GREEN GRASS SEED—For laying out new fairgreens and renovating old ones, this mixture is unexcelled. We yearly supply the seed used on many golf courses. Sow at the rate of 100 to 150 pounds per acre, according to season and the soil conditions. Price—1 lb., 50c; 5 lbs., \$2.00; 10 lbs., \$3.75, post paid.

The Best Two Lawn Dressings

For use when preparing land for grass or feeding established turf.

ARMOUR'S LAWN AND GARDEN GROWER—For the Lawn, Potted Plants, Trees and Shrubs. See page 101.

PULVERIZED SHEEP MANURE—Use two tons per acre or one pound to each 10 square feet. For nourishing established lawns, one-half the above allowances may be used. See page 101.

Fertilizers and Lime

While good commercial fertilizers of high grade known formulas and dehydrated lime can generally be obtained from the better class of fertilizer dealers, we have a good demand from customers who want to be sure. We have our own fertilizer formulas of ingredients that do well for us and one of the largest fertilizer companies makes up our mixtures exactly according to our directions. Write for prices on any quantity you may desire.

For Fertilizer prices, see pages 101, 102, 103.



A Putting-Green, Showing 1119-A Buchanan's Putting-Green Mixture



Buchanan's Landscaping Service

Two years ago we established a Landscaping Service, which was intended to assist in the planning and arrangement of the plants used by our customers in beautifying their property. This service we believe has been of considerable benefit and assistance to our customers, and again this season we are prepared to assist in selecting proper varieties and arranging them for best results. We do not make blue prints, but we furnish a pen and ink planting plan, which if followed, will serve as well as a formal blue print. This service is free to our customers when they purchase the plants necessary for the carrying out of the plan from us. Our plan is as follows:

If you desire to make this sketch write us and ask for a planting sketch blank, which will be sent you immediately, together with full instructions for filling it out. Fill out the blank as instructed, return it to us together with your check for \$5.00. We will make the plan, showing the location of the plants together with a list of the plants required and the price (which will be the same as shown in catalog). On receipt of your order for the plants as outlined in the sketch, we credit your account with the \$5.00 which makes the plan cost you nothing.

Quite often we can make suggestions without the use of a regular plan, which may serve. Suggestions are free, but where it is necessary to make a sketch, we must make a charge as outlined above, as the making of a sketch requires considerable labor and some expense.

We urge that you read our "Terms and Conditions" carefully before ordering. All business concerns have certain rules. Our Terms and Conditions cover our method of doing business, and are a part of each and every transaction, and in fairness to ourselves and our customers we must abide by these terms and conditions. See pages 62 and 96.



Althea—Rose of Sharon



Weigela

Weigela

Candida. Vigorous, showy white flowers blooming in early spring. Of rapid growth. Price, 60c each; \$5.00 per 10.

Eva Rathke. Smallest growing of the Weigelas. Flowers deep glowing red and very beautiful. Price, 75c each; \$6.00 per 10.

Rosea. The most popular Weigela known. Flowers bell-shaped, deep pink borne in abundance along arching stems. An early bloomer and very desirable. Price, 60c each; \$5.00 per 10.

Variegata. Foliage variegated green and white, flowers pinkish-white. Not considered so rank a grower as the other varieties. Price, 75c each; \$6.00 per 10.

Witch Hazel

A tall growing shrub with yellow fringe-like flowers. Adapted for planting in moist soil and partial shade. Price, 60c each; \$5.00 per 10.

Deciduous Shrubs

A careful selection from our list of varieties will give flowers of one variety or other throughout the entire summer. The different shapes and colors of the foliage in the shrubs will also add to the beauty of the planting as well.

The shrubs we are offering are all strong, healthy, thrifty, two and three year old plants.

Almond, Flowering—Amygdalus

A dwarf growing, early blooming shrub. Flowers resemble small roses, borne all along the stems in great profusion in the early spring. We can furnish pink or white, specify color desired when ordering. Price, 75c each.

Althea—Hibiscus, Rose of Sharon

These are tall, upright shrubs, very desirable for southern planting. Blooms in mid-summer and continues until early fall. These shrubs are particularly valuable for hedges and screening purposes, and can be had in a variety of colors, either single or double blossoms. The following list covers the color range nicely. Price of all varieties, 50c each; \$4.50 per 10.

Anemonaeflora. Very large, double red.

Ardens. Beautiful, double violet.

Bicolor Hybrida. Double, white with beautiful purple center.

Coelestis. Single, blue flower.

Compte de Hainault. Double, pinkish-white.

Jeanne d'Arc. Double. Pure white and the best of the whites.

Rubis. Single, bright red flowers.

Totus Albus. Single, pure white. Very beautiful.

Butterfly Bush—Buddleia

A quick-growing, graceful shrub, blooming in great profusion during mid-summer. Flowers borne on the tip of every piece of new growth and of a delicate violet in color. The tops in severe winter will freeze back to the ground, in which case the dead wood should be cut off as the plant will come again in the spring with renewed vigor. Price, 50c each; \$4.00 per 10.

Barberry—Berberis

Thunbergi (Japanese Barberry). One of the most valuable general-purpose shrubs offered. It is of dwarf habit of growth. Will grow in semi-shady, moist or dry locations. Leaves small, bright green, changing in fall to rich shades of orange and red; berries red and remain on well into the winter. Very desirable for massing and hedges. Price, 50c each; \$4.50 per 10.

Crepe Myrtle

A truly southern shrub well known in this section. Grows to large size, dark shiny leaves and flowers produced in panicles from mid-summer until fall. Not hardy in the North, but no southern planting should be without this. We are offering white, pink, purple and red. Please specify color wanted, for when no preference is given we ship pink, this being the old-time variety. Price, 75c each; \$6.00 per 10.

Chaste Tree

Large growing shrub with aromatic odor. Rich, blue flowers borne on long branched spikes. A summer bloomer and desirable. Price, 75c each; \$6.00 per 10.

Calycanthus—Floridus—Sweet Shrub

Well known old-fashioned shrub. Chocolate colored flowers quite fragrant, appearing early and lasting several weeks. Price, 60c each; \$5.00 per 10.

Cydonia Japonica—Japan Quince

Tall, slow-growing shrub. Early bloomer, producing brilliant scarlet flowers in May, when the plant is a red blaze of color. Adapted to most soils. Price, 75c each; \$6.00 per 10.

Coral Berry

A small shrub attaining only about two feet in height; small, light green leaves. Tips of branches covered in winter with bunches of coral red berries which remain on a long time. This shrub is particularly well adapted for covering hillsides, banks and for shrubbery border as it grows in great masses. Price, 50c each; \$4.00 per 10.

Deutzia

Dwarf Deutzia (Deutzia Gracilis). Dwarf shrub of dense growth. In early spring it is covered with pure white, bell-shaped flowers. Excellent for border planting or wherever a low growing plant is desired. Price, 50c each; \$4.50 per 10.

Pride of Rochester. Popular because of its blossoms, which are large, double white, tinted rose on under side. Shrub large, blooms early. Very desirable. Price, 50c each; \$4.50 per 10.

Deutzia Crenata. Resembles Pride of Rochester, but with pure white flowers. Tall growing. Price, 50c each; \$4.50 per 10.

Golden Bell—Forsythia

The earliest blooming of all shrubs. Plants are a mass of golden-yellow, bell-shaped flowers before the leaves appear. Valuable because of its early blooming. Price, 50c each; \$4.50 per 10.



Honeysuckle—Lonicera

Fragrant Bush Honeysuckle (*Lonicera Fragrantissima*). Sometimes called Christmas Honeysuckle. Large spreading shrub, fragrant creamy-white flowers. Strong grower and almost evergreen in this section. Price, 50c each; \$4.00 per 10.

Japanese Bush Honeysuckle (*Lonicera Morrowi*). Spreading shrub of medium size; small white flowers in early spring, followed by bright red berries. Price, 50c each; \$4.00 per 10.

Red Tartarian. Upright shrub; medium size, light-crimson flowers in early spring, followed by crimson fruit. Hardy and valuable for mass effect. Price, 50c each; \$4.00 per 10.

Hydrangea

Hills of Snow (*Arborescens Grandiflora Alba*). A hardy medium height shrub. Large, roundish leaves of bright green; pure white flowers resembling the old-fashioned Snowball. Remains in bloom over a long period. Price, 75c each; \$6.00 per 10.

Large Flowering Hydrangea (*Hydrangea Paniculata Grandiflora*). Another old-time shrub. Flowers pure white borne in large pyramidal bunches, blooming in July and continuing until frost. A strong grower and delights in fertile soil with plenty moisture. Price, 75c each; \$6.00 per 10.

Oak Leaved Hydrangea (*Quercifolia*). A large growing shrub thriving in partial shade with plenty moisture. Large, dark green leaves resembling those of the Oak tree, and brilliantly colored in autumn, creamy-white flowers. An ideal shrub for southern planting. Price, \$1.00 each; \$8.00 per 10.

Gold Flower

Low growing shrub of dense growth, small yellow flowers resembling single Roses borne in profusion throughout the summer. Very often this plant will freeze to the ground in the winter, but if the dead wood is cut off it will come again in the spring and produce an abundance of flowers. Ideal for border work and for planting in front of taller growing shrubs. Price, 75c each; \$6.00 per 10.

Jasminum

Italian Yellow Jasmine (*Jasminum Humile*). A small shrub with arching bright green branches; bright yellow flowers throughout the summer. Entirely hardy and adapted to moist, loamy soils and sunshine. Price, 75c each; \$6.00 per 10.

Naked Flowering Jasmine (*Jasminum Nudiflorum*). Hardy, graceful, low-growing shrub. Foliage of bright green; yellow flowers appearing in January and February before the leaves appear. Suitable for planting in cool, shady locations where other plants are difficult to grow. Price, 75c each; \$6.00 per 10.

Lilac—Syringa Vulgaris

Purple Lilac. Almost too well known to need description is this old-time shrub. Dark green foliage, beautiful lavender-purple flowers, very fragrant. Blooms in early spring. Price, 75c each; \$6.00 per 10.

Common White Lilac. Similar to the purple variety in habit of growth, although not quite as rapid a grower. Flowers white, fragrant. Price, 75c each; \$6.00 per 10.

Mock Orange—Philadelphus

Coronarius. Large, strong growing shrub. Good foliage, pure white flowers of great fragrance. Easily grown and invaluable for massing and screens. Blooms early. Price, 50c each; \$4.00 per 10.

Gordon's Mock Orange (*Philadelphus Gordonianus*). Pure white flowers borne in dense clusters. A thrifty grower, blooming somewhat later than the Coronarius. Price, 50c each; \$4.00 per 10.

Paul's Scarlet Thorn

A large shrub or small tree of compact growth, entirely hardy. Flowers very double, bright scarlet in color, borne in clusters in spring after leaves have formed. The most brilliant of all the Hawthornes. Price, 2-3 feet, \$1.50 each; \$12.50 per 10.

Pearl Bush

A tall growing shrub, pure white flowers produced in abundance in early spring. Excellent for mass planting. Price, 75c each; \$6.00 per 10.

Spirea

Dwarf White Spirea (*Callosa Alba*). Dwarf shrub, dense growing. Upright branches crowned with large, flat clusters of white flowers during summer. Very attractive. Price, 75c each; \$6.00 per 10.

Lace-Leaved (*Spirea Reevesiana*). Long, slender branches, pale green leaves. Flowers pure white, double, appearing in late spring. A strong grower and recommended for the South. Price, 50c each; \$4.00 per 10.

Crimson Spirea (*Spirea Anthony Waterer*). Dwarf shrub; upright grower. Leaves bright green, frequently variegated yellow and red, flowers bright crimson grown in flat clusters at tip of branch. Nothing takes its place as a border plant. Remains in bloom a long time. Price, 75c each; \$6.00 per 10.

Bridal Wreath (*Spirea Prunifolia*). Medium shrub with graceful branches and good foliage. Flowers small, double white and borne in clusters all along the stems. Price, 60c each; \$5.00 per 10.

Snow Garland (*Spirea Thunbergi*). A dense, medium shrub. Graceful in habit of growth, light green, feathery foliage, small white flowers. Blooms early. Price, 75c each; \$6.00 per 10.

Bridal Bower (*Spirea Van Houtte*). The most popular of all the Spireas. A tall growing, spreading variety with drooping branches. Produces a profusion of white flowers in early spring. Desirable for mass planting and hedges. Perfectly hardy and highly desirable. Price, 50c each; \$4.00 per 10.

Blue Spirea (*Caryopteris Incana*). A dwarf shrub, producing lavender-blue flowers from mid-summer until fall. Valuable for its color and foliage. Not entirely hardy, but if frozen down to the ground will come again from the root. Price, 60c each; \$5.00 per 10.

Snowball—Viburnum

Common Snowball (*Viburnum Opulus Sterile*). Well known, old time favorite. Of upright growth, medium size. Flowers produced in globular clusters, pure white. Hardy. Price, 75c each; \$6.00 per 10.

Japanese Snowball (*Viburnum Plicatum*). Beautiful foliage, snowy-white flowers produced in large clusters. Superior to the Common Snowball in foliage and habit of growth. Price, \$1.00 each; \$8.50 per 10.

Snowberry

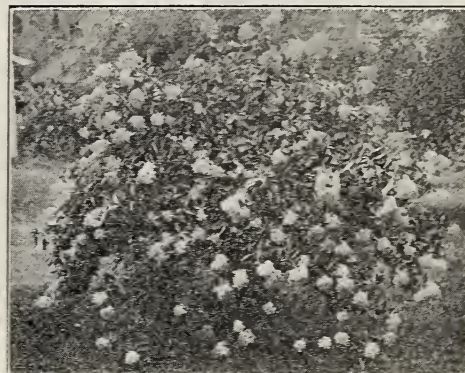
An attractive shrub with graceful, arching branches. Flowers pinkish-white followed by white berries which remain on well into the winter. Price, 50c each; \$4.00 per 10.

Sumac

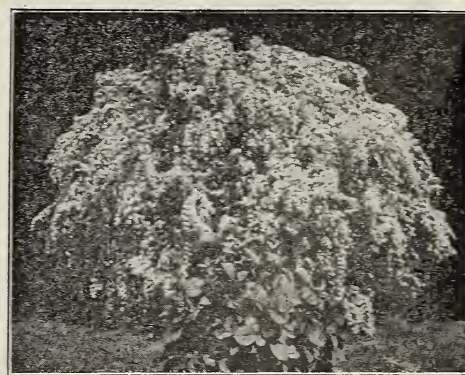
Fragrant Sumac (*Rhus*). This is a native shrub of rambling habit of growth. Foliage is small and exhales a spicy odor, flowers greenish-white in early summer followed by clusters of red berries. Valuable for planting on dry, barren spots. Price, 75c each; \$6.00 per 10.



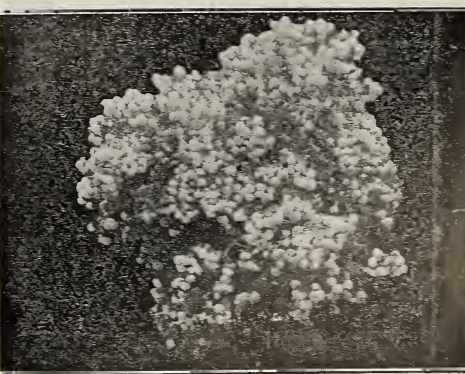
Lilac



Hydrangea



Spirea



Snowball

Buchanan's Coniferous Evergreens

The principal value of the Coniferous Evergreens is that they retain their foliage and color throughout the winter. In the list will be found green of every shade as well as blue, gold and gray.

The Coniferous Evergreens are valuable both for foundation planting and to be used on the lawn as specimen plants. Pleasing effect may be secured by the planting of tall or pyramidal formed evergreens at corners and between windows, small growing or more dwarf varieties should be planted immediately in front, tying the house and the planting into the lawn. For foundation work the best of the tall growing varieties are the Pyramidal Arborvitae, English and Irish Juniper; and for the foreground, Dwarf Golden, Bonita and Globe Arborvitae, Pfitzeriana, Stricta and Tamariscifolia Junipers are the best, while Cedrus Deodora and American Hemlock make the two best plants for specimen work on the lawn. It is not advisable to plant Coniferous Evergreens in shady locations, as they require plenty of sunshine to bring out the best in them, both in color and form.

All of the Evergreens we offer will be shipped with a ball of earth and burlap around each individual plant. In planting, the burlap and earth should be left around the plant and the ball of earth must be left undisturbed. Can ship either freight or express—cannot ship Parcel Post.

Arborvitae

Dwarf Golden (Biota Aurea Nana). A dwarf, cone-shaped, compact growing variety. Foliage green with distinct golden tinge. Admirably suited for small gardens, cemetery lots, window boxes and tubs. Price, 12 to 15 inches, \$2.00 each; 18 to 24 inches, \$3.00 each.

Pyramidal Golden (Biota Aurea Conspicua). Of pronounced pyramidal habit of growth; foliage a deep golden yellow and the most attractive of all the pyramidal Arborvitae. Price, 18 to 24 inches, \$2.25 each.

Bonita. Similar to the Dwarf Golden in habit of growth, but a good solid green in color. Suitable for the same purposes as the Dwarf Golden Arborvitae, listed above, and very popular. Price, 18 to 24 inches, \$2.50 each.

Chinese (Biota Orientalis). Pyramidal in form, compact growth and a bright green in color, which it holds well into the winter. Valuable where a tall growing evergreen is wanted. Price, 2 to 3 feet, \$2.00 each; 3 to 4 feet, \$3.00 each.

Globe (Thuja Occidentalis Globosa). A compact, dwarf growing variety. Globed in shape; bright green foliage which retains its color throughout the winter. Adapted for planting in tubs and for edging evergreen beds of taller growing varieties. Price, 12 to 18 inches, \$2.00 each; 18 to 24 inches, \$2.75 each.

Pyramidal (Thuja Occidentalis Pyramidalis). A very popular tall, pyramidal grower. Its foliage is bright green and branches graceful. This is an American type and one of the best of the tall growing Arborvitae. Price, 18 to 24 inches, \$1.50 each; 3 to 4 feet, \$3.00 each.

Cedars

Deodar (Cedrus Deodara). A large growing evergreen and one of the most beautiful grown. Grows rather rapidly. Foliage a silvery green, branches drooping and graceful. Very valuable as a specimen plant or for blending in clump plantings with the dark foliaged evergreens. Price, 18 to 24 inches, \$2.50 each; 24 to 30 inches, \$3.50 each; 3 to 4 feet, \$5.00 each.

Juniper—Juniperus

English Juniper (Juniperus Communis). Pyramidal in form with slightly drooping branches. Feathery foliage of grayish-green; dense growing. May be trimmed for use in formal plantings. Price, 18 to 24 inches, \$1.00 each; 2 to 3 feet, \$2.00 each; 3 to 4 feet, \$3.50 each.

Irish Juniper (Juniperus Hibernica). An erect, pillar-like grower. Foliage deep green with blue-green cast. Valuable for formal plantings. Price, 18 to 24 inches, \$1.25 each; 3 to 4 feet, \$2.50 each.

Stricta Juniper (Juniperus Excelsa Stricta). Very desirable for formal plantings. A low, bushy variety with grayish-green foliage. Retains its shape for several years after being planted. Price, 15 to 18 inches, \$2.00 each.

Pfitzer Juniper (Juniperus Pfitzeriana). Finest of all evergreens for foundation and border planting. Low growing, irregular form; foliage green with slight blue tinge. Easily grown and desirable from every standpoint. Price, 18 to 24 inches, \$2.50 each; 2 to 3 feet, \$3.50 each.

Virginia Blue Cedar (Juniperus Virginiana Glauca). Of compact, symmetrical habit of growth. Foliage silvery-blue and one of the best of the blue type evergreens. Desirable for specimen planting or for combining with other evergreens. Price, 2 to 2½ feet, \$3.50 each.

Juniperus Virginiana Schottii. A tall, pyramidal grower. Foliage bright green. Makes beautiful specimens for background planting. Price, 2 to 2½ feet, \$3.50 each.

Retinispora

Golden Cypress (Retinispora Plumosa Aurea). Pyramidal in habit of growth; feathery foliage of golden green. At its best when sheared and popular for contrast planting in lawn groups. Price, 18 to 24 inches, \$2.00 each; 2 to 3 feet, \$3.00 each.

Green Cypress (Retinispora Pisifera). Identical in its habit of growth to the Golden Cypress, but with bright green foliage. Of rather rapid growth and valuable for foundation planting. Price, 18 to 24 inches, \$2.00 each; 2 to 3 feet, \$3.00 each.

Plume-like Cypress (Retinispora Plumosa). A rapid growing variety with gracefully drooping branches of bright green plume-like foliage. Thrives in most soils and situations. Price, 18 to 24 inches, \$2.00 each; 2 to 3 feet, \$3.00 each.

Veitch Silver Cypress (Retinispora Veitchii). A very showy type, its foliage being of silvery blue-green. Not quite so strong a grower as the preceding varieties, but valuable on account of its color. Price, 18 to 24 inches, \$2.50 each; 2 to 3 feet, \$3.50 each.

Arizona Cypress (Cupressus Arizona). Tall, columnar shaped in habit of growth with foliage similar to the Cedar in texture and in color a silvery blue. Price, 24 to 30 inches, \$2.50 each; 4 to 5 feet, \$5.00 each.

Italian Cypress (Cupressus Sempervirens). A tall growing type of irregular habit of growth. Foliage dark green with silvery tinge, and this variety is particularly well adapted for use in foundation planting. Price, 3 to 4 feet, \$4.00 each; 4 to 5 feet, \$5.50 each.

Spruce—Picea

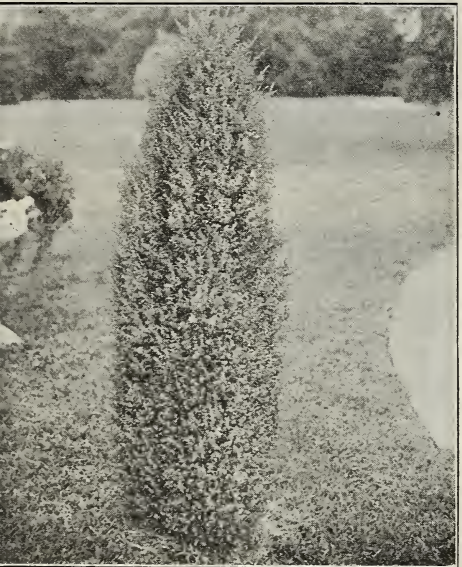
Norway Spruce (Picea Excelsa). A popular variety of the Spruce family which transplants easily. Foliage is in the form of needles, which are a dark green in color. Grows to a large tree and is quite hardy. Price, 18 to 24 inches, \$1.50 each; 2 to 3 feet, \$2.50 each.

Hemlock—Tsuga

American Hemlock (Tsuga Canadensis). This is considered one of the best of all evergreens. Grows rapidly and to large size and will adapt itself to most any location. Foliage a deep green, and if branches are allowed to remain natural, very graceful, also it is attractive sheared. Satisfactory in every way and entirely hardy. Price, 18 to 24 inches, \$2.50 each; 2 to 3 feet, \$3.50 each.



Arborvitae (Globe)



Juniper (Irish)



Spruce (Norway)

Evergreen Shrubs

Evergreen Shrubs or Broad Leaved Evergreens are particularly desirable for use where the Coniferous Evergreens cannot be planted on account of the lack of sunshine, and where a more permanent and lasting planting is desired it may be had by the use of the Evergreen Shrubs. The larger majority of the Evergreen Shrubs have not only beautiful foliage but flowers as well, and in this connection we direct particular attention to the *Abelia Grandiflora*, which we consider the best of all the Evergreen Shrubs.

We ship all of the evergreens that we are listing, with the exception of *Abelia*, with ball of earth and burlap and which should not be removed at time of planting. The burlap soon rots away and is placed on the plants to retain the soil and prevent breakage of the minute feeding roots which are so essential to the life of the plant. In planting evergreen shrubs one should use every care to firm the earth around the roots or ball, as the case may be, and after planting water should be used freely.

Abelia Grandiflora

One of the most attractive evergreen shrubs offered. Foliage dark green and glossy, and its arching branches have a distinct tinge of red. From May until frost this plant is covered with small, pinkish-white, bell-shaped flowers. Sometimes in shipping the foliage is lost, but this does not injure the plant in the least, also they are somewhat slow to come out after being transplanted. Highly desirable for landscape work and a plant which we highly recommend. Price, 75c each; \$6.00 per 10.

Indian Azalea—Azalea Indica

Beautiful evergreen shrubs adapted for southern planting. Flowers large and produced in profusion. The most desirable location for planting is in well drained soil in which quantities of leaf mold have been mixed. We can furnish in white, pink, red and variegated. Price, 8 to 12 inches, \$1.25 each.

Cape Jasmine—Gardenia Florida

Popular for planting in the South, but not hardy out-of-doors north of Nashville, Tennessee. Bright, thick, glossy leaves with large waxy-white flowers of great fragrance. Blooms from May until frost. Price, 85c each; \$7.50 per 10.

Carolina Cherry

Large shrub or small tree grown largely for its foliage, which is dark green and glossy. Flowers yellowish-white followed by purple berries. Excellent for screen and specimen planting and stands trimming well. Price, 18 to 24 inches, \$1.00 each; 2 to 3 feet, \$1.50 each.

Cotoneaster

Microphylla. Low, flat, spreading habit of growth. Foliage blackish-green, flowers white followed by red berries. Entirely evergreen and fine for border work. Price, \$1.00 each. *Simonsi*. Similar to the *Microphylla*, but of upright growth and bushy. Will hold its berries all winter. Price, \$1.00 each.

Dwarf Boxwood

A border plant of slow habit of growth and one that never grows very tall. This, however, is ideal for bordering other evergreens and walks. Price, 20c each.

Elaeagnus Reflexa

Large leaves, dark green on top side, mottled brown underneath. Flowers slender, silvery-bronze drooping beneath foliage. This variety grows rather tall and is quite hardy. Valuable for screen planting or lawn specimens. Price, 18 inches, \$1.00 each.

Euonymus

Japonica. An upright, compact evergreen shrub. Foliage dark green and glossy. May be trimmed to any form or height. Entirely hardy and an excellent foliage plant suitable for most soils and locations. Price, \$1.00 each; \$9.00 per 10. *Seiboldiana*. One of the best of the *Euonymus* family. An upright graceful grower bearing seed pods from which red seed are suspended in late fall and winter. Highly desirable for mass planting. Price, 75c each; \$6.00 per 10.

Mahonia

Aquifolia. Dense, low growing shrub with holly-like foliage, a glossy green which turns bronze in fall. Bright yellow blossoms followed by blue berries. Fine for mass planting or individual specimens and thrives in sun or shade. Price, \$1.00 each.

Nandina Domestica

A Japanese shrub of medium size, light green leaves in summer, which are long and narrow and in winter these take on autumnal colors. Red berries, extremely attractive. Fine for landscape work and entirely hardy. Price, \$1.25 each.

Privet—Ligustrum

Japanese (Ligustrum Japonicum). A rapid growing, upright shrub with large, dark green foliage covering the plant from the ground to tips of branches. White flowers in early spring followed by clusters of blue-black berries. Grows rather tall and stands trimming well. Price, \$1.00 each; \$8.50 per 10.

Marginatum Aurea (Golden Leaf Privet). Similar in habit of growth to *Ligustrum Japonicum*, but with thick, waxy-golden leaves which make it unusual. Very desirable for planting in combination with the green-leaved varieties. Price, \$1.50 each; \$12.50 per 10.

Lucidum (Ligustrum Lucidum). A compact, graceful plant with dark green, glossy foliage and white flowers, which are rather inconspicuous. An ideal foliage plant, evergreen and highly desirable for foundation planting. Price, \$2.00 each; \$17.50 per 10.

Climbing Vines

Boston Ivy (Ampelopsis Veitchii). A vine that covers with over-lapping foliage; self-clinging and will adhere closely to the smoothest surface. Price, 50c each; \$4.00 per 10.

Virginia Creeper (Ampelopsis Quinquefolia). Large green leaves changing to crimson in the fall. Requires no support and suited for covering tree trunks and walls. Price, 50c each; \$4.00 per 10.

Honeysuckle

Hall's. Its flowers are white, changing to yellow and very fragrant. Price, 40c each; \$3.00 per 10.

Scarlet Trumpet. Valuable for use on porches and trellises. Price, 40c each; \$3.00 per 10.

Yellow Trumpet. Price, 40c each; \$3.00 per 10.

Kudzu Vine

An extremely strong growing vine with large, deeply cut leaves of bright green. Will make a wonderful growth in a single season. Price, 35c each; \$3.00 per 10.

Wisteria

Purple (Sinensis). An excellent vine for southern planting. Flowers light purple and blue in early spring, borne in large drooping clusters. Well adapted for arbor planting. Price, \$1.00 each; \$8.50 per 10.

White (Sinensis Alba). Resembles the purple variety, but with white flowers. Hardy and very desirable. Price, \$1.00 each; \$8.50 per 10.



Clematis

Clematis

Paniculata (Sweet-Scented Clematis). Flowers small, star-shaped; white in color and produced in enormous quantities. Very fragrant and easily established. Price, 50c each; \$4.00 per 10.

Henryi. Very large blossoms; creamy-white. A strong grower and blooms abundantly. Price, \$1.00 each; \$8.50 per 10.

Jackmani. Deep velvety-purple flowers of large size. One of the most popular. Price, \$1.00 each; \$8.50 per 10.

Madame Edouard Andre. Large crimson-red flowers. A free bloomer when once established. Price, \$1.00 each; \$8.50 per 10.



Wisteria

BUCHANAN'S

SELECTED AND OFFICIALLY INSPECTED

FRUIT TREES AND SMALL FRUITS



Terms and Conditions--How to Send Your Order

ORDER BLANK enclosed in catalogue should be used in every case. Please be careful to fill in all blank spaces with the information requested. Also be careful to write name of variety wanted, size, and price very plainly. This helps to avoid errors.

TERMS are cash in every case, although we will ship C. O. D. when 25 per cent of the amount is sent with order.

REMITTANCES should be made by Bank Draft, Postal or Express Money Order, but we will accept personal checks where it is impossible for you to secure Postal, Express, or Bank Draft.

SELECTION OF VARIETIES. We can sometimes help in the selection of varieties, and a great many customers prefer to leave the selection with us. We will be glad to give you benefit of our experience and judgment in making up the assortment.

SUBSTITUTION. Please state on the order, in the proper space, whether or not we shall substitute in case we are out of any of the varieties wanted, otherwise orders will be shipped short.

SHIPMENT of nursery stock will travel better by express, and we recommend this plan wherever possible. However, we hope that all of our customers will state how they prefer shipments to move, whether by freight, express, or parcel post.

CLAIMS will not be entertained unless made promptly on receipt of goods. We shall be glad to investigate any claim, provided it is made as soon as the stock is received.

GUARANTEE. We guarantee to deliver all trees and plants to the forwarding company in perfect condition, but do not guarantee that all the stock will live, as too much depends on the treatment the stock receives after it leaves our hands.

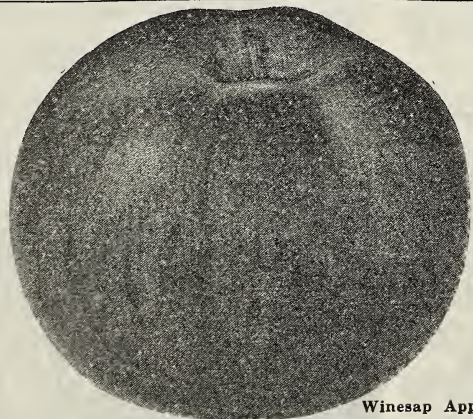
NON-WARRANTY. We give no warranty, expressed or implied, as to the description, quality, productiveness or any other matter of any trees, plants, or bulbs we send out, and will not in any way be responsible for the crop. We do, however, agree to replace free of charge or refund the purchase price of any trees, plants, or bulbs that prove untrue to name, but we will not be responsible for a larger amount, and all sales are made with this understanding.

SUITABLE DISTANCES FOR PLANTING

	Feet		Feet
Apples, Standard....	30 to 40	Figs.....	15 to 18
Pears, Standard....	20 to 30	Currants.....	3 to 4
Peaches and Apricots..	16 to 20	Gooseberries.....	3 to 4
Cherries.....	18 to 20	Raspberries.....	3 to 4
Plums.....	16 to 20	Blackberries.....	5 to 7
Grapes (Bunch).....	8 to 10	Strawberries.....	3½ by 1½
Grapes (Muscadine)...	10 to 25	Pecans.....	60 by 60

NUMBER OF TREES OR PLANTS TO AN ACRE

	Apart Each Way		Apart Each Way
3 feet.....	4,840	15 feet.....	200
4 feet.....	2,729	18 feet.....	135
5 feet.....	1,742	20 feet.....	110
6 feet.....	1,200	25 feet.....	70
8 feet.....	680	30 feet.....	50
10 feet.....	430	40 feet.....	27
12 feet.....	325	50 feet.....	17



Winesap Apple

Apples

PRICES

FIRST CLASS—4-6 feet, 50c each; \$4.50 per 10; \$40.00 per 100.

ORCHARD SIZE—2-3 feet, tied in bunches of 10 and sold in multiples of 10, \$15.00 per 100; less than 100, 20c each.

Early Harvest. May and June. Medium size; pale yellow; slightly acid; good quality. Ripens at a season when no other Apple is in. Should be in every orchard.

Yellow Transparent. One of the best early market Apples, of medium size; skin yellow; flesh crisp and sub-acid; almost immune to blight.

Red June. Early. Medium size; dark red; white flesh; juicy, sub-acid; ripens over a long period; bears well and is a very heavy cropper.

Yellow Horse. Late summer. Large size; yellow, slightly red where exposed to sunshine. One of the best cooking Apples and fills in between seasons better than almost any other. Highly satisfactory all over the South.

Grimes Golden. Early winter. Large; golden yellow; of high quality. Tree vigorous; a heavy bearer.

Delicious. Late fall. Almost too well known to need description here. Fruit large, dark red, fine grained flesh, crisp, and juicy and of high quality. A splendid shipper and prolific bearer.

Stayman Winesap. Winter. Larger and more prolific than the old Winesap. Rich, dark red; firm; fine grained and juicy; adapted to a wide range of soils and climates.

Winesap. Winter. Medium size; dark red; good quality; keeps well. Tree is a hardy grower and good bearer. A popular variety and well liked everywhere.

Yates. Winter. Small; yellow with dark red stripes. Not, strictly speaking, a commercial Apple, but because of its sure and heavy crops has proven one of the most desirable Southern sorts.

There can be no doubt but that carefully selected varieties of Apples, well cared for, will produce quantities of satisfactory fruit, and certainly nothing can be more healthful than plenty of Apples. Even a few trees will produce sufficient Apples for a small family. The list of Apples we offer has been carefully selected for quality and productiveness. The list covers the season from May until November, and a planting made up from this list will be sure to produce fruit.

Apples can be planted safely from the middle of October until early April, but fall planting will be found best. Apple trees are not very choice about soils. Almost any soil being suitable, but if possible they should be planted in a rich, loamy, well drained soil, a northern exposure being more desirable.

Apple trees should be planted about 30 feet apart each way, the distance being dependent upon the strength of the land. For the first few years the trunks of the trees should be protected from rabbits and clean cultivation should be practiced at all times.



PEACHES

Without a doubt, the Peach is the best paying fruit crop grown in the South. Southern grown Peaches excel in size, appearance, quality, and flavor those grown in any other section of the country. Most Southern soils being adapted to Peach culture, we never have a complete failure of the Peach crop; therefore, we strongly recommend the planting of Peach trees all over the South. It is not well to consider the planting of a commercial Peach orchard unless one is prepared to carefully cultivate, prune, and spray, and give the trees the very best of attention. Of course, even though the trees do not receive proper care and attention, they will produce some fruit, but the Peach responds more readily than most any other fruit to proper care.

The best varieties for commercial orchard planting are: Early Rose, Carman, Hiley, Yellow Hiley, Belle of Georgia, Elberta, and J. H. Hale, which ripen in the order in which they are named. All of these varieties, together with the remainder of our list, are good home orchard sorts, and in the planting of a home orchard, there should be a few trees of each variety planted. With proper selection, it is possible to have Peaches from May throughout the season.

The trees should be planted approximately 20 feet apart each way, and best results will be had from plantings made in November and December, although we have secured excellent results from trees planted as late as April 1st.

PRICES

FIRST CLASS—4-5 feet, 50c each; \$4.00 per 10; \$30.00 per 100.

ORCHARD SIZE—2-3 feet, tied in bunches of 10 and sold in multiples of 10, \$15.00 per 100; less than 100, 20c each.

Mayflower (Free). The earliest of all the Peaches. Bears freely; fruit of medium size, very red, and of fair quality.

Early Rose (Cling). One of the most valuable of the recent introductions; ripens with the earliest; is an extremely free bearer and comes into bearing young. Fruit is roundish, medium to large size, and ripens ninety per cent red; is a good keeper and carries well. This has been the most profitable early variety in commercial orchards for a number of years.

Arp Beauty (Free). Medium size; yellow, mottled with bright crimson; flesh is of rich yellow color and is really of very good quality for an early Peach. Tree is hardy and very prolific.

Greensboro (Semi-cling). Large, oblong; white with red blush. Not recommended for commercial orchards, but should be in every home orchard.

Carman (Free). Large; creamy white with deep blush; fine flavor; hardy in production; a good shipper, strong grower, and early bearer.

Indian Cling or Blood Cling. An old-time favorite wherever planted and grows to a large size; dark red flesh; a deep red; highly flavored.

J. H. Hale (Free). Larger than Elberta; ripens several days later and is superior to Elberta in flavor; a beautiful golden yellow with deep carmine blush. Has proven to be one of the best money makers of recent introduction.

Chinese Cling (Cling). Large; white with red cheek; excellent quality; exceedingly juicy. A very popular Peach, although not recommended for commercial orchards.

Heath Cling (White Heath—Cling). Skin and flesh white, tinged with red; tender, juicy, and of high flavor. A wonderful Peach for canning and pickling.

Krummel's October (Free). Deep yellow with carmine blush; very late; a splendid shipper and keeps well.

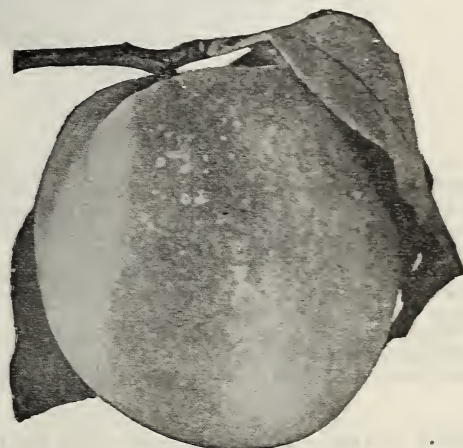
Hiley (Early Belle). One of the best early shippers; large, white with bright red cheek. Has proven one of the most profitable sorts for commercial orchards.

Yellow Hiley (Free). This is a comparatively new variety and last year it again proved to be one of the best of recent introduction. Yellow Hiley ripens with its parent, White Hiley, the fruit is of the same size and shape, flesh a deep yellow; flavor and quality of the very highest. One of the very best dessert Peaches, and will prove entirely profitable and satisfactory in any planting.

Belle of Georgia (Free). Very large; white with red cheek; firm and of excellent flavor; uniformly large and a very prolific and sure bearer.

Early Elberta (Free). Very large; flesh yellow, firm, juicy, and of fine flavor. Ripens just ahead of Elberta.

Elberta (Free). A standard by which all other varieties are judged; very large; yellow with red cheek; flesh yellow, firm, juicy, and of high quality; hardy; sure bearer and excellent shipper.



Early Rose Peach



Elberta Peach



Black Tartarian Cherries

Pears

As a rule, commercial Pear orchards are not profitable in the South, but commercial orchards of Kieffer and Pineapple are proving satisfactory and profitable. These two varieties are more blight resisting than any of the others, require less care, and will produce fruit under almost any conditions.

Our list includes several of the most desirable dessert or eating Pears. A planting made up of our list will enable one to have Pears throughout the season.

Pears should be planted 25 feet apart each way, and after the first season should be cultivated but little, as we have found that where no cultivation is given the trees are less susceptible to blight.

PRICES

FIRST CLASS—4-6 feet, 75c each; \$6.50 per 10; \$60.00 per 100.

ORCHARD SIZE—2-3 feet, tied in bunches of 10 and sold in multiples of 10, \$30.00 per 100; less than 100, 35c each.

Bartlett. Probably the most popular of all Pears. Large, juicy, yellow, sweet, and of high value for marketing or canning purposes; bears early and abundantly.

Duchess. Very large; fine quality; keeps well into the winter. Tree a strong, vigorous grower.

Le Conte. Large, with a smooth, yellow skin; flesh white, firm, and juicy. Tree is a free bearer and vigorous in growth.

Garber. Resembles Kieffer in size, appearance, and quality. Will succeed almost anywhere; is excellent for canning and preserving, and recommended as a pollenizer for the Kieffer.

Kieffer. A money maker on account of its remarkably vigorous growth and early productiveness, its extraordinary size, splendid keeping and shipping qualities, and its excellence for canning and preserving.

Pineapple. Practically blight-proof; a strong, vigorous grower and remarkably productive here in the South. Perhaps the most valuable of all the Pears for the extreme Southern part of the United States.

Seckel. Fruit medium in size, russet-brown, with a very sweet flavor. The finest flavored of all Pears, and particularly valuable for the home orchard.

Cherries

In a general way, Cherries are not a very profitable fruit for planting in the South; however, there are a few varieties which can be grown successfully. Cherries are divided into two classes, Sour and Sweet. The Sweet Cherries are used for dessert purposes and eating while fresh, and are not desirable for canning, preserving, or pie-making. The Sour Cherries are highly desirable for all of these purposes and should be planted liberally. We are listing only the two best Sweet varieties and the two best Sour varieties. Where possible, we suggest that there be several Cherry trees planted, as it prolongs the open season for fresh Cherry pie.

Cherries prefer an elevated situation and the soil should be well drained. The trees have but few natural enemies and require but little care, requiring less pruning and cultivation than almost any other fruit. They should be planted 20 feet apart each way, and the planting should be done in the fall wherever possible.

PRICES

FIRST CLASS—3-5 feet, 70c each; \$6.00 per 10; \$50.00 per 100.

ORCHARD SIZE—3-5 feet, tied in bunches of 10 and sold in multiples of 10, \$40.00 per 100; less than 100, 45c each.

Black Tartarian (Sweet). Of large size, heart-shaped; purplish black; flesh tender, juicy, and of fine quality. Tree an erect, beautiful grower and heavy bearer.

Governor Wood (Sweet). Light yellow, extremely sweet, juicy, and of rich flavor. Tree vigorous and productive.

Large Montmorency (Sour). One of the best flavored Cherries in its class; larger and finer than Early Richmond and ripens ten days later. Tree of rapid growth and a heavy bearer.

Early Richmond (Sour). Extra early; bright red, very valuable for canning. Tree extremely hardy and productive. The earliest pie Cherry available.

If shipment is wanted by parcel post, be sure to include in your remittance sufficient to cover postage charges.

QUANTITY PRICES—On all seeds see yellow price list in center of book.

R. B. Buchanan Seed Co. established 1906. The worth of a house whose business has been carried on successfully for 20 years is understood by all who plant seeds, because seeds are sold entirely on reputation.



Buchanan's Grape Vines

For large yields on small space and little care, Grapes pay greater returns than any other fruit. The varieties we are listing will do well over practically the entire South. The vines are not very choice as to soil; they prefer a well drained, slightly stony soil, but will grow and bear most anywhere.

To secure best results, Grapes should be carefully pruned during the winter months, December and January being the best time. They may be grown on trellises or arbors and demand cultivation only for the first few years.

TWO-YEAR PLANTS—Each, 20c; 10, \$2.50; 25, \$6.00; 50, \$11.00; 100, \$20.00, post paid.

Concord. Fruit dark purple, nearly black; extra large and very sweet. One of the best known and most popular.

Delaware. Fruit red, rather small, juicy, and sweet. We think the best table variety grown.

Diamond. Fruit of a greenish white color; very large, sweet, and of good quality. Vine perfectly hardy and a good bearer.

Moore's (Moore's Early). A highly desirable early black variety; ripens about two weeks ahead of Concord. The best early black Grape for Southern planting.

Niagara. One of the most valuable white Grapes. Bunch and berry large; ripens with Concord. Fruit very tender, sweet, and juicy. Highly desirable.

Lutie. A true Southern variety. The very best of all for Southern planting. Fruit large, brownish red and of delicious flavor. A good, sure bearer.

Scuppernong or Muscadine Type

The Scuppernong or Muscadine type Grape is distinctly Southern. The vines are not hardy very far north, but do wonderfully well all over the South. The fruit is not borne in bunches as are other Grapes, but are produced in clusters. The Muscadine type are well adapted for trellis work, making strong, vigorous growth and a perfect trellis very quickly.

TWO-YEAR PLANTS—Each, 50c; 10, \$4.50, post paid.

Scuppernong. Very large, bronze colored fruit; flesh very sweet; grown in clusters, not in bunches.

James. Large. Fruit of a delicate flavor, and is borne in large clusters. A strong growing, black Scuppernong.

Thomas. Medium size, round, dark, fine color. Highest in sugar content.

Plums

Plums, like Peaches, do well in the South, the improved Japanese varieties being most desirable. In our list of varieties we are offering a variety for every purpose. We call particular attention to the Japanese varieties, which are the best for fresh fruit. Wild Goose, Shropshire Damson, and Compass are all ideal for preserving purposes, each of them having a distinct flavor characteristic of the fruit.

The most suitable distance for planting Plums is 16 feet apart each way. Fairly high, well drained location is best, but Plums will grow in almost any soil.

FIRST CLASS—4-5 feet, each, 75c; 10, \$6.50; 100, \$60.00.

Abundance (Japanese). Medium to large; color bright red and overlaying a yellow ground; cling. Tree strong, thrifty, an upright grower and an early and prolific bearer. One of the best.

Burbank (Japanese). Large; mottled red and yellow; good quality; cling. Tree a strong, straggling grower and immense bearer.

Red June (Japanese). Medium to large; deep red; hand-some bloom; very showy; quality good; good shipper; ripens a week earlier than Abundance.

Wickson (Japanese). Probably the most beautiful tree of all Plums; color deep red; flesh firm, yellow, and of very good quality. The principal objection to this variety is the fact that it is inclined to be rather a shy bearer.

Wild Goose. One of the best known of all the Plums; large, deep red when ripe, good quality, very juicy. One of the best native varieties, ripening earlier than the Japanese sorts.

Shropshire Damson. Medium size; dark purple flesh; grown largely for preserving purposes. Probably the best preserving Plum.

Compass Cherry-Plum. A cross between the Sand Cherry and the Plum. Fruit about as large as the ordinary Cherry; very bright red; acid; valuable because of its sure, heavy cropping qualities; used principally for preserving; absolutely hardy.



Concord
Grapes

Apricots

FIRST CLASS—4-5 feet, 75c each; \$6.00 per 10.

Early Golden. Small; pale orange-yellow; juicy and sweet; highly flavored. Recommended for Southern planting.

Royal. A standard variety; medium to large; pale yellow, with orange cheek; very desirable and equally valuable for canning or drying.

Japanese Persimmons

FIRST CLASS—3-4 feet, 75c each; \$6.50 per 10; \$60.00 per 100.

Hyakume. Fruit large, dark brown, very plump, sweet, and meaty. One of the best varieties.

Triumph. Fruit yellowish red, smooth skin. Flesh yellow, fine grained, and excellent quality.

Tane Nashi. One of the best known Japanese varieties. Fruit large, smooth, symmetrical, and ripens early. Bears young and is productive.

**St. Regis Raspberries**

If shipment is wanted by parcel post, be sure to include in your remittance sufficient to cover postage charges.

canes bearing this fruit must be cut down to the ground, as they will not bear again and only take strength from the plant.

PRICES—5, 65c; 10, 95c; 50, \$4.50; 100, \$6.50, post paid.

Early Harvest. Ripens 10 days to 2 weeks earlier than any other Blackberry; very productive and a good shipper. Fruit is of good size and excellent quality.

Eldorado. Berries very large, reddish black, very sweet and without hard core. Late.

**Brown Turkey Figs**

Celestial. Very hardy; vigorous grower. Fruit small but juicy, and of excellent quality.
Brunswick. Fruit very large, purplish black, shading to red near stem; of good quality and extra firm flesh.

Raspberries

Not a commercial fruit crop in this section, but well worth the necessary trouble. Raspberries will do well planted along the fence in the kitchen garden, and the varieties we are listing will bear fruit in this section.

Raspberries should be planted in rows five to six feet apart, and about three feet apart in the row. They should be given rich soil, well fertilized, and should be carefully cultivated throughout the growing season. The fruit is always borne on the preceding year's growth; therefore, all old canes should be removed as soon as the fruit is ripened. This forces the growth into the current season's growth and will make the fruit much finer the following year.

PRICES—5 for 50c; 10, 85c; 50, \$4.00, post paid.

St. Regis. Sometimes called "Everbearing." Usually produces a good crop in the spring and a second crop in the fall. Berries bright crimson, large and have strong Raspberry flavor. Very prolific.

Cuthbert. Fruit crimson, large, firm, and very juicy. A strong, upright grower and perfectly hardy.

Cardinal. Large, reddish purple fruit; very strong grower and will succeed where other varieties fail.

Kansas. The most desirable of the Black Raspberries for planting in the South. The plant is a strong grower, the fruit large, round, firm, and of handsome appearance. Stands shipping well.

Blackberries

The growing of improved varieties of Blackberries has proven quite profitable, the fruit of the improved Blackberry being much larger and of finer flavor than the common wild berries. The greatest profit in Blackberries comes from having the fruit at a time when the wild fruit is not available. The two varieties we are listing answer this purpose very well, indeed. Early Harvest ripens about 10 days earlier than the wild Blackberry and Eldorado ripens after the wild berries are all gone, which permits the grower to command a good price for the fruit. Aside from the possibility of profit from a commercial planting, the convenience of having one's own berries close at hand is certainly worth the small investment of time and labor necessary.

Blackberries should be planted in rows 6 feet apart with the plants about 3 feet apart in the row. They should be frequently cultivated during the period when they are making their growth. When the young canes have reached the height of 3 feet the top should be pinched out, which will cause them to branch and increase the next year's crop materially. The fruit is always grown on the preceding year's growth. After the fruit has ripened and has been gathered, the

Dewberries

An extremely profitable berry, and one which can be grown very easily. The cultivated Dewberries grow to large size and are of much finer flavor than the wild variety, ripening between the close of the Strawberry season and ahead of the Blackberry season. The fruit always commands high prices on the market.

Plant in rows 6 to 8 feet apart, setting the plants 3 feet apart in the row. After the crop is harvested, cut out and burn the old canes. When the young canes are about 2 feet high, pinch out the tips; this will make them branch, increasing the next year's crop.

PRICES—5, 85c; 10, \$1.25; 50, \$5.50; 100, \$8.50, post paid.

Austin. Very large fruit, of high quality and good flavor. A prolific bearer and one of the very best varieties for the South.

Lucretia. The fruit is of unusually large size, soft and sweet. Early.

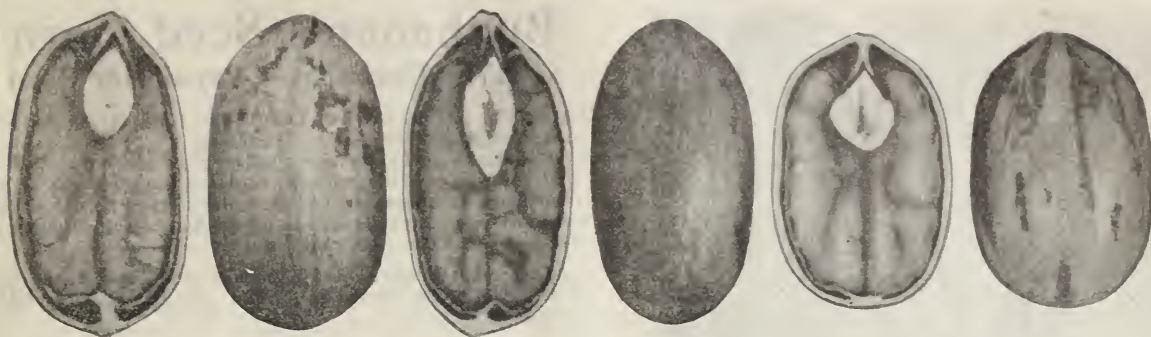
Figs

Here we have a real Southern fruit, of high quality and wonderful productiveness. The fruit is highly valuable for preserves, but its fine flavor also recommends it for eating while fresh. Fig trees begin bearing while quite young, the ripening period of the fruit extending almost throughout the summer season. But few diseases or insect pests affect the Fig tree, making it of easy culture. In Northern Alabama and further north, Figs require a somewhat sheltered position, as they are often killed to the ground by severe freezes, but further south they may be planted in the open ground, and even though the trees are killed to the ground they will nearly always come again from the root.

Plant the trees 12 to 18 feet apart each way.

PRICES—First Class—3-4 feet, 75c each; \$6.50 per 10; \$50 per 100.

Brown Turkey. Fruit medium to large, pear-shaped, coppery brown skin with white or yellow tinted flesh. Very productive.



Frotscher Pecans

Schley Pecans

Stuart Pecans

Pecans

The aim for the first few years after planting should be to produce growth. Frequent cultivation and ample fertilizer during the first few years will go a long way towards making the planting successful. In arranging a home orchard we suggest that Pecan trees be planted 60 feet apart each way with fruit trees in between. In a planting of Pecan trees alone, 40 by 40 feet or 60 by 60 feet, depending upon the quality of the soil as to the right distance.

FIRST CLASS—4-5 feet, \$1.15 each; \$10.00 per 10; \$90.00 per 100. 2-3 feet, 90c each; \$8.00 per 10; \$70.00 per 100.

SCHLEY—Thrifty, strong grower. Nut rather long, well filled, and of high quality.

FROTSCHER—Medium to large size; nut rather long, tapering, slightly plump; rich meat. Tree very hardy and strong grower. Originated in Louisiana.

STUART—Probably the best known and most valuable of all the Pecans. Extremely hardy and strong grower. Nuts of good size, plump, and well filled.

Chestnuts

AMERICAN SWEET—Nuts sweet and of delicate flavor. Price, \$1.00 each.

JAPAN MAMMOTH—Of dwarf growth; nuts of immense size, fair quality. Price, \$1.25 each.

Walnuts

ENGLISH WALNUT—Tree valuable for its shade as well as nuts, which are thin-shelled, full-meated and delightfully flavored. Price, \$1.00 each.

JAPAN WALNUT—The tree is strong, vigorous grower, bears well and is highly productive. Is valuable as a nut and ornamental tree. Nuts rather thick-shelled and flavored somewhat like the Butternut. Price, \$1.25 each.

Privet—Ligustrum

AMOR RIVER (Ligustrum Sinense)—The best of the Privets for southern planting. In this section almost entirely evergreen and adapted to a wide range of soils and situations. Is an upright grower, leaves dark green, flowers white appearing in erect panicles. Price, 18 to 24 inches, \$6.00 per 100; 2 to 3 feet, \$8.00 per 100.

CALIFORNIA (Ligustrum Ovalifolium)—An upright grower, leaves dark green and glossy. Price, 18 to 24 inches, \$5.00 per 100; 2 to 3 feet, \$7.50 per 100.

REDBUD, JUDAS TREE (Cercis Canadensis)—A native American tree covered in the early spring before the leaves appear with pinkish-red flowers. Foliage heart-shaped and very green. Quite beautiful when planted with White Flowering Dogwood or against evergreens. Price, 5 to 6 feet, \$1.00 each; 6 to 8 feet, \$1.50 each.

REDBUD, JAPANESE (Cercis Chinensis)—Similar to the native Redbud is this small growing ornamental tree. Price, 3 to 4 feet, 75c each.

TEXAS UMBRELLA—A rapid growing umbrella-shaped tree; symmetrical in outline with dense foliage. Very desirable for planting in the South. Price, 75c each.

UMBRELLA TREE (Catalpa Bungei)—Valuable as a lawn tree or for planting along drives or in pairs at entrances. Leaves very large, borne on the top of a clean, straight stem. Price, \$2.00 each.

Ornamental and Shade Trees

We are listing varieties suitable for almost every purpose for permanent shade, large areas we recommend the Elm, and the Maple for small spaces such as garden seats and shady nooks. In the back yard we recommend the Umbrella (Catalpa Bungei), Texas Umbrella and the Weeping Mulberry. These are not strictly speaking, shade trees, but do well where a little shade is required and add a touch of refinement to any planting.

BIRCH, WHITE (Betula Alba)—Of moderately quick growth; erect growing. Branches slightly drooping and attractive bark which is almost white. Adapted to planting on moist soils, but will also thrive on dry ground. Price, 8 to 10 feet, \$2.50 each.

DOGWOOD, WHITE FLOWERING (Cornus Florida)—A beautiful native tree, blooming in early spring. Its showy white flowers and glossy green foliage make it attractive for ornamental planting. Price, 60c each; \$5.00 per 10.

DOGWOOD, RED FLOWERING—Same in habit of growth as the White Flowering, but flowers are deep rose. Very valuable for specimen planting. Price, \$1.75 each; \$15.00 per 10.

ELM, AMERICAN WHITE—Grows to a large size; leaves medium large and branches somewhat arching. Very valuable for permanent shade. Price, 8 to 10 feet, \$1.50 each; 10 to 12 feet, \$2.00 each.

FLOWERING PEACH—An ornamental tree valuable for its profusion of flowers borne in early spring before the leaves appear. We are offering in three colors, white, pink and red. Please specify color wanted. Price, 85c each; \$7.50 per 10.

MAGNOLIA GRANDIFLORA (Southern Evergreen Magnolia)—A favorite of the South. Price, 4 to 5 feet, \$2.00 each; 5 to 6 feet, \$2.50 each.

MAPLE, SILVER—Blooms very early in the spring and light green leaves, silver underneath, promptly appear. Price, 8 to 10 feet, \$1.25 each; 10 to 12 feet, \$1.75 each.

MAPLE, SUGAR—Intense green foliage in summer changing to various shades of crimson and gold in the fall. Price, 8 to 10 feet, \$1.50 each; 10 to 12 feet, \$2.00 each.

MAPLE, NORWAY—A large growing tree, round and spreading in habit of growth. Foliage larger and darker than that of Sugar Maple. Price, 6 to 8 feet, \$1.50 each.

POPLAR, LOMBARDY—A tall, slender tree attaining great height. Price, 8 to 10 feet, 85c each; 10 to 12 feet, \$1.25 each.

PRUNUS PISSARDI (Purple-Leaved Plum)—A tall shrub with compact leaves of rich, dark purple and maroon red. Price, 4 to 5 feet, 75c each.

PRUNUS TRILOBA (Double Flowering Plum)—Small growing tree with long slender branches producing pink blossoms. Price, 3 to 4 feet, 75c each.

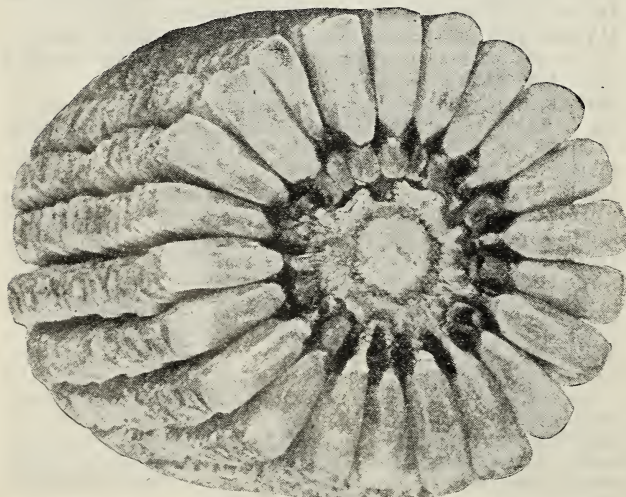
WEeping MULBERRY—An extremely graceful, hardy tree with its long slender branches drooping to the ground. An attractive and desirable ornament for any lawn. Price, \$2.50 each.

WEeping WILLOW—A tree with long drooping branches that give it a weeping effect. Foliage feathery and greenish-silver. Price, 8 to 10 feet, \$1.50 each; 10 to 12 feet, \$2.00 each.

GOLDEN WEeping WILLOW—Same in habit of growth as the variety listed above. Limbs golden-yellow; foliage green with yellow cast. Price, 8 to 10 feet, \$1.75 each; 10 to 12 feet, \$2.25 each.



Buchanan's Paymaster Corn



Buchanan's Long Grain Red Cob Corn

Buchanan's Seed Corn

(1125) Buchanan's Paymaster Corn

BUCHANAN'S IMPROVED PAYMASTER (100 days)—Buchanan's Paymaster originated in Middle Tennessee, where there are several counties that are noted for their heavy yields of corn, due to the fact that the soil of these counties contains the elements of potash and phosphate in abundance. These elements supplied by nature are the most important factors in producing not only heavy yields of corn, but seed corn of strong vitality.

Speaking scientifically, these elements produce a strong embryo or what is commonly known as sprout, which is the foundation of your coming crop.

Buchanan's Paymaster was produced by selection from Tennessee Red Cob, see cut bottom of this page. You will notice the Tennessee Red Cob has a very long grain which makes this variety very popular among many of our customers for their heavy black bottom lands.

By careful selection for the past five years we have succeeded in producing in Buchanan's Paymaster what we believe to be the largest yielding strain of Red Cob Corn for Southern planting.

Buchanan's Paymaster was selected for a 100-day 2-ear corn with a shorter ear, broader grain and stalk not so tall as Tennessee Red Cob.

Many of our customers plant Buchanan's Paymaster as late as July 1, and some as late as July 10, with excellent results. One of our customers near Crawfordsville reports an average of 100 bushels to an acre on 60 acres last year.

Buchanan's Paymaster is sold only in printed bags and bears our registered trade mark (Buck Brand), and you should be careful in buying your corn, as there is Red Cob Corn grown in practically every corn growing state in the Union, and we do not want to see you imposed upon by anyone who would take advantage of you by getting any kind of a Red Cob Corn and representing it to be Paymaster, knowing little and caring less about the results you would get.

Buchanan's Improved Paymaster is suited for both lowlands and good uplands. It will produce a medium stalk with two good ears, broad white grains on a bright red cob—fills out well and is covered to the end of cob—completely covered with shuck, shutting out insects, birds and bad weather. Price— $\frac{1}{2}$ gal., 75c; 1 gal., \$1.00; 1 peck, \$1.50; $\frac{1}{2}$ bu., \$2.50, post paid. Write for prices on quantities.

(1128) Buchanan's Champion White Dent

BUCHANAN'S CHAMPION WHITE DENT (90 days)—It is the earliest large-eared white field corn known. It is an early White Dent, coming in almost as early as the Adams Early, but much larger; sample ears have been shown us 14 inches in length and $3\frac{1}{2}$ inches in diameter. For stock feeding it is very valuable; coming in as it does when all fodder is short, it fills a breach which all stock feeders can appreciate. Again, it is a corn that has made itself before the hot, dry weather and when other field varieties must make their growth. Champion Early White Dent is a safe crop to plant anywhere. It adapts itself to hard conditions, and comes nearer to making a crop than any other white corn you can plant. Price— $\frac{1}{2}$ gal., 50c; 1 gal., 75c; 1 pk., \$1.25; $\frac{1}{2}$ bu., \$2.25, post paid.

(1126) Buchanan's Long Grain Red Cob Corn

TENNESSEE WHITE, RED COB (120 days)—An extra large field corn; grains long, broad and evenly lined on large red cob. The ears of this sort will run from 9 to 12 inches long and have from 18 to 20 rows. It is a rather late maturing sort, but for bottom land and main crop this corn cannot be excelled. This is not only one of the largest grain, greatest yielding and one of the highest feeding and best milling corns grown in the South, but owing to the fact that the stalks grow from 8 to 12 feet high, are broad, strong and short jointed it makes one of our best ensilage corns. Price— $\frac{1}{2}$ gal., 65c; 1 gal., 90c; 1 pk., \$1.35; $\frac{1}{2}$ bu., \$2.35, post paid.

It only costs a little more to plant an acre of corn with pure bred seed than to plant it with crib run seed.



Buchanan's Seed Corn

1135 BUCHANAN'S WHITE PROLIFIC (120 Days)—Requires a fairly long season to develop hard corn, 110 to 120 days. Stalk is large, 8 to 12 feet tall, according to soil and season, rooting deeply. Stalk and blades are large and vigorous. Ears of medium size, two or more to the stalk, depending on the distance given and the growing conditions. On good strong land where the corn has distance of 24 to 30 inches in the row, it often makes 4 to 6 ears to a stalk. The ears are well filled out and weigh from 8 to 12 ounces. The grains are deep, white and hard. The cob is small. Seventy pounds of ear corn will usually shell out 61 to 63 pounds of grain. Shuck is heavy and covers the ear tightly, keeping out birds and insects and preventing loss in late, wet seasons, when other corn rots badly on account of storm injury. The best white prolific corn for grain production, for roasting ears, for making meal, and for stock feeding. Price— $\frac{1}{2}$ gal., 65c; 1 gal., 90c; 1 peck, \$1.35; $\frac{1}{2}$ bu., \$2.35, post paid.

1133 BUCHANAN'S BIG WHITE JUNE (80 to 90 Days)—A superior variety to the Mexican June originated in Mexico, grains pure white, ears a little larger than North Carolina, grows successfully with only half normal rainfall and adapted to all soils in the Cotton Belt. The heavy root system makes it resistant to hot, dry weather. It is very prolific, bearing two to three ears to the stalk. We do not, however, advise early planting, but if conditions are such that you want to plant corn after July 1st this variety will give you more corn than any you can plant. Price— $\frac{1}{2}$ gal., 50c; 1 gal., 75c; 1 peck, \$1.25; $\frac{1}{2}$ bu., \$2.25, post paid.

1134 BUCHANAN'S IMPROVED BIG MEXICAN JUNE CORN (80 to 90 Days)—This corn, originally from Mexico, has a distinct place to fill in the Cotton Belt, not as a general crop corn, but one to fill in with on late plantings. It is largely used in the Southwest for planting after oats and wheat. We do not advise (if grain is wanted) planting until after June 1st in the South. Between June 1st and July 10th is best. If planted earlier the tendency is to run largely to stalk and making little grain. It is a great drouth resister and usually, if there is enough moisture to sprout the seed, a crop is assured. If wanted mostly for forage or ensilage, plant in April or May. Early planting makes stalks 12 to 15 feet high, leaves 4 to 6 feet long. Ears 8 to 9 inches long, grains short to medium, cobs medium in size and, while blue and red grains often appear, sometimes only one to three to the ear. Mexican June also makes fine roasting ears for use right up to frost. Price— $\frac{1}{2}$ gal., 50c; 1 gal., 75c; 1 peck, \$1.25; $\frac{1}{2}$ bu., \$2.25, post paid.

1136 MOSBY'S PROLIFIC (120 Days)—The most prolific corn in existence; the stalks are tall, bearing 3 to 5 fine ears. The grains are long, set close to a small white cob, very uniform in shape, well filled. It has good roots and will withstand storms better than any other prolific sort. Price— $\frac{1}{2}$ gal., 50c; 1 gal., 75c; 1 peck, \$1.35; $\frac{1}{2}$ bu., \$2.25, post paid.

1137 NORTH CAROLINA (120 Days)—Our grower of this variety of corn lives in Shelby County, Tennessee, has grown no other corn for years. He has bred this corn to a medium stalk, producing 4 to 6 ears. This corn will stand in the field after maturing through rain, storms and snow, and deteriorates less than any variety of corn grown today. Price— $\frac{1}{2}$ gal., 60c; 1 gal., 85c; 1 pk., \$1.35; $\frac{1}{2}$ bu., \$2.35, post paid.

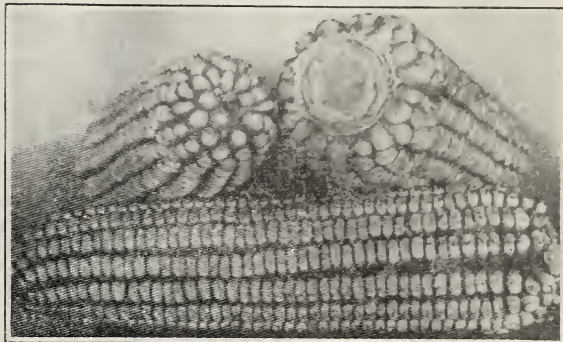
1127 BOONE COUNTY WHITE (120 Days)—A large eared late maturing variety. An excellent variety where the season is not too short. Price— $\frac{1}{2}$ gal., 60c; 1 gal., 85c; 1 pk., \$1.25; $\frac{1}{2}$ bu., \$2.25, post paid.

1129 IOWA SILVER MINE (90 Days)—The stalks grow to a height of 7 or 8 feet, and set the ears about $3\frac{1}{2}$ to 4 feet from the ground. Price— $\frac{1}{2}$ gal., 50c; 1 gal., 75c; 1 pk., \$1.25; $\frac{1}{2}$ bu., \$2.25, post paid.

1130 WISCONSIN WHITE DENT (75 Days)—A Northern grown very early small eared corn, highly recommended where an early feed crop is needed or for producing roasting ears for market. It will prove its worth to the man who is short of feed and needs a corn to make quickly; also to those who owing to drouths, floods or other disasters find it necessary to plant corn after July 1st. It is indeed wonderful for late planting. Price— $\frac{1}{2}$ gal., 50c; 1 gal., 75c; 1 pk., \$1.25; $\frac{1}{2}$ bu., \$2.25, post paid.

QUANTITY PRICES

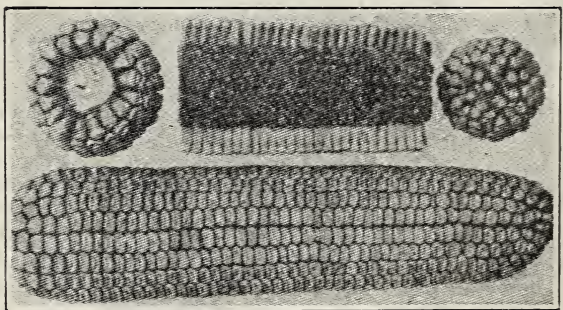
On all seeds, see yellow price list in center of book.



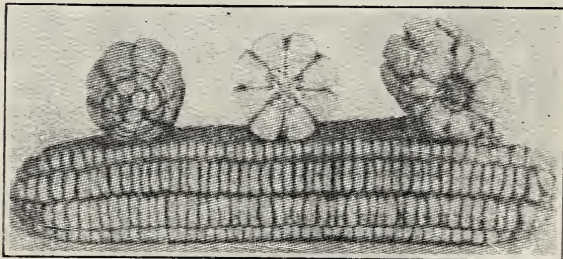
1135 Buchanan's White Prolific



1133 Buchanan's Big White June



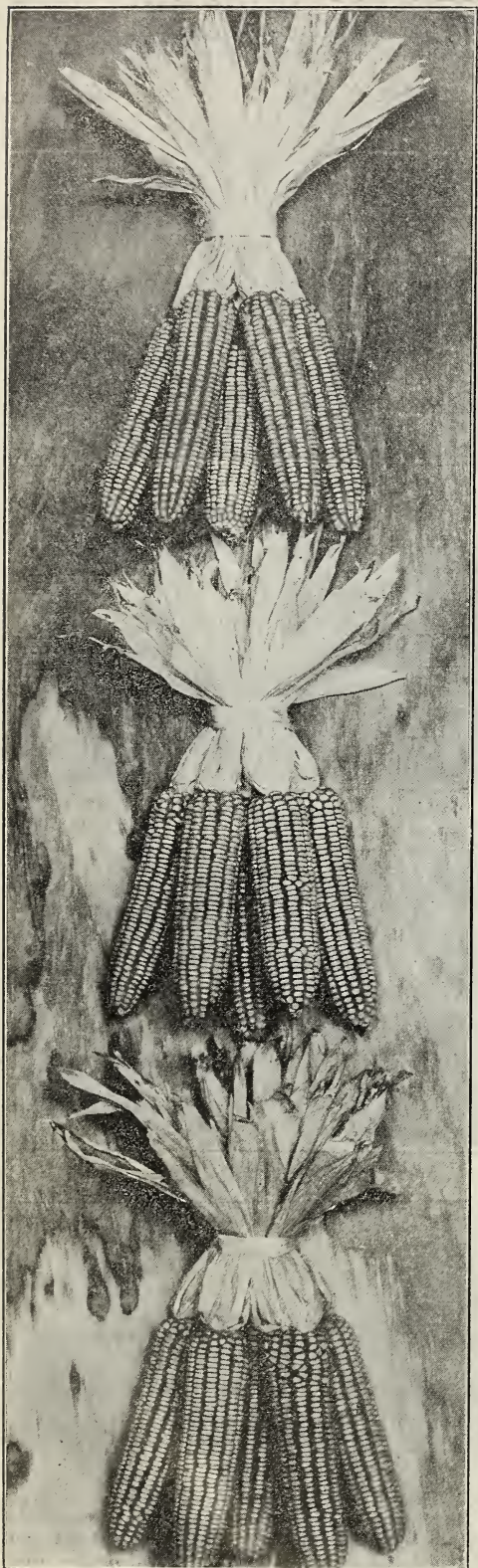
1139 Tennessee Yellow Dent



1132 Hickory King

1132 HICKORY KING (110 Days)—This is an entirely distinct variety among the white corns, combining the largest grain with the smallest cob. Ears fill out well and will make more shelled corn to bulk of ears than any other variety. It is good for roasting ears to follow Early Surprise; makes splendid quality of corn meal, and is just the right sort for stock feeding, being almost all corn and very little cob. Price— $\frac{1}{2}$ gal., 50c; 1 gal., 75c; 1 pk., \$1.35; $\frac{1}{2}$ bu., \$2.25, post paid.

QUANTITY PRICES—On all seeds, see yellow price list in center of book.



Buchanan's Golden Prolific Corn

The most satisfactory yellow prolific corn known for Southern planting.

Buchanan's Golden Prolific Corn

A NATIVE SOUTHERN YELLOW CORN

For many years we have had hundreds of inquiries for a yellow prolific corn (we have it now)—after several years experimenting with various varieties of yellow corn, we offer to our customers for the first time a yellow prolific corn which we have named Buchanan's Golden Prolific.

It has proven its worth on those soils in middle Tennessee which contain an abundance of potash and phosphate, has produced above the average on our poor clay soils in West Tennessee and the picture shown on this page was planted July 11, 1927, on black loam soil in Crittenden County, Arkansas, and gathered October 15.

We do not call this a flint corn, yet it is hard enough to be resistant to both weevil and birds and will not rot like the soft corns if blown down before gathering time in the Fall—in comparing it with white corn, we say it is very much like the North Carolina White Corn.

1144—BUCHANAN'S GOLDEN PROLIFIC—A yellow prolific corn with husk covering the ears so completely and tightly that it is practically impossible for any bird or weevil to get to the corn in the field. It is the hardest grained and makes the most solid ear of any yellow corn that we know with the exception of the Cuban Yellow Flint. It resists drouth remarkably well, produces two good medium size ears to the stalk and is in great demand on the Memphis market for roasting ears.

Buchanan's Golden Prolific is a two-ear corn, you seldom find a stalk growing more than two ears and very seldom find a stalk with only one ear. It is a hundred day corn. The corn from which the picture on this page was made was planted July 11, 1927, and hard corn gathered for this picture October 15. Price— $\frac{1}{2}$ gal., 50c; 1 gal., 85c; 1 pk., \$1.50; $\frac{1}{2}$ bu., \$2.75, post paid.

1139—TENNESSEE YELLOW DENT (90 days)—My most popular variety of Yellow Field corn, produces a medium stalk with two good ears of uniform size and shape, 8 to 10 inches long, with 14 to 18 straight rows of yellow kernels on a medium-sized red cob, and ears are well filled out over tip. Tennessee Yellow Dent is often called drouth resister, as it will produce more corn on our thin uplands during a drouth year than any other known corn; owing to its earliness in maturing, it is planted by the man who is short of feed, and comes in just in time to finish his crop, when his own feed is so near exhausted and all feedstuff is usually at the highest market prices. I do not consider it a good main crop for bottom lands as it will not stand bad weather as well as the white prolific varieties. I sell more of this variety of corn each year than all other Yellow varieties combined. Price— $\frac{1}{2}$ gal., 50c; 1 gal., 85c; 1 pk., \$1.50; $\frac{1}{2}$ bu., \$2.75, post paid.

1141—IOWA GOLD MINE (90 days)—An early yellow sort, having good size ears. It originated in the West where it is very popular, and east of the Mississippi has found high favor among most growers. Grains are golden yellow, very deep, set on small cobs and an ideal sort for bottom lands or where there is trouble with curing because it dries out easily and quickly without molding. Price— $\frac{1}{2}$ gal., 40c; 1 gal., 75c; 1 pk., \$1.25; $\frac{1}{2}$ bu., \$2.25, post paid.

1142—REID'S YELLOW DENT (110 days)—We offer the pure type of this leading standard variety, which stands among the best all-round purpose Yellow Dent corns grown. Color deep yellow, with lighter cap. Grains very deep, closely packed; butts and tips almost entirely covered over. Slightly rough, with grains dented on top. Leaves and stalks of Reid's Yellow Dent make the finest ensilage and fodder. Price— $\frac{1}{2}$ gal., 40c; 1 gal., 75c; 1 pk., \$1.25; $\frac{1}{2}$ bu., \$2.25, post paid.

THE BEST VARIETY OF CORN TO PLANT

With corn, as with other crops, no one variety has all the good qualities. No one variety is best for all soils and conditions. It is necessary, therefore, that we endeavor to supply the very best seed of the variety which is best adapted to your requirements. We have found that, as a rule, the Southern varieties give the largest yields in the South, but for those who want quicker action we are prepared to supply the best Northern and Western varieties.

QUANTITY PRICES—On all seeds see yellow price list in center of book.



Showing Buchanan's Half and Half Cotton Producing Nearly Two Bales to the Acre.

TO MY CUSTOMERS:

January 1, 1929.

I have received thousands of letters during my long experience as a seedsman asking my advice as to what is the best variety of cotton to plant, and I have always advised farmers to grow that variety of cotton that brings the biggest per-acre returns in dollars and cents on his particular land. Yield of lint, percentage of lint or gin turn-out and length of staple are all important, and should be considered when selecting a variety of seed to plant. However, let us always select the variety that yields the most profit per acre regardless of the length of the staple, yield of lint per acre, or quality of lint.

For several years I have called the attention of my customers to the following facts regarding short staple cotton. First, it is early maturing; second, you get it picked before the rains; third, it yields more to the acre; fourth, you have it sold before the bulk of the cotton crop comes on the market and puts the price of cotton down; fifth, the Cotton Mills have adjusted their delicate spinning machines to spin short staple cotton into cloth to make fabric for automobile tires and many other uses where coarse cotton fabric can be used.

Why? Simply because short staple cotton answers their purpose and they can buy it several cents a pound less than they can buy long staple—and they are in business to make money.

For several years I have told my customers that my Half and Half Cotton seed grown along the northern edge of the Cotton Belt will mature earlier than cotton grown South (which has been proven many times), also that it will produce more dollars to an acre than any cotton grown, especially on poor or medium soil when properly fertilized. Grow the cotton that will produce you the most dollars, for you, like the cotton mill owner, are in business to make money.

R. B. BUCHANAN.

Buy Pure Bred Cotton Seed

I do not attempt to list all the varieties of Cotton Seed grown (that would be impossible). I have listed only the very best varieties that I know after twenty-two years experience selling all varieties of Cotton Seed.

When I say that my Cotton Seed is backed by my twenty-two years reputation as a Seedsman, I mean that I am listing only those Cotton Seed that have proven their worth.

Remember! This

Buy Pure Bred Cotton Seed from a reliable source.

Plant that Cotton Seed which will turn off the most dollars to the acre on your land.

Don't send your money away to some unknown person or firm who advertised some Cotton Seed that would perform miracles, for the days of miracles are over.

Do not buy Cotton Seed from some unknown salesman who comes from somewhere and sells his Cotton Seed with a high sounding name and many guarantees for it to work wonders, for he cannot be found next year when your crop from that seed proves to be just Gin Run Seed.

I do not have room to print here all that I would like to say about Cotton Seed—if you will write me, I will answer your letter promptly and answer your questions to the best of my ability and knowledge after twenty-two years experience with Cotton Seed.

R. B. BUCHANAN.

Fertilizing Cotton

Many farmers are proving that it pays them to cultivate fewer acres of cotton and use Commercial fertilizer to hasten maturity. Read what we have on page 102 and 103 on fertilizers or write us if needing special information or large quantities of fertilizers.



Buchanan's Pure Bred Cotton Seed



Buchanan's Delfos 911 Cotton

Long Staple Cotton

(1150)—DELFO 6102 has low, spreading, open plants, with comparatively slender main stem and branches; the fruit branches are long and numerous; one to four vegetative branches are found on the plants if wide-spaced; leaves are small; bolls are narrowly ovate, short-pointed, 4 and 5-locked, open well, and run 70 to 80 bolls to the pound of seed cotton; lint percentage 31 to 32; lint length 1 1/8 to 1 3/16. Delfos-6102 is very early and very prolific. Is especially well adapted to planting on new ground or on lands that are so fertile that other varieties of cotton when grown on them become too rank. It does well on medium fertile land.

Price—Per bu. (32 lbs.). \$2.00; 100 lbs., \$5.00; 500 lbs., \$23.00.

Not prepaid. Write for prices on quantities.

(1149)

DELFO 911—Is a selection from Delfos 6102 and the best and most intelligent way that I can describe this variety is to compare it with the above variety, and in doing so, I want to give full credit to Mr. W. E. Ayres, director in charge of The Delta Branch Experiment Station at Stoneville, Miss., where Delfos Cotton was originated; also to Dr. R. P. Crump of Sharkey County, Mississippi, who grew this seed for us.

Mr. Ayres writes that Delfos 911 has proven by a test over a period of five years to be better than 6102, from which it was selected. It is not a question with us of having something new, but a question of finding something better than the old strains.

Dr. Crump, whose plantation in Sharkey County is near the Delta Experiment Station and who has kept in close touch with the various cotton tests there, calls Delfos 911 the "Best Delfos."

From the above gentlemen, the one (Mr. Ayres) a plant breeder of long experience and the other a planter with a lifelong experience growing cotton, I get the following description of Delfos 911:

Delfos 911—Is a strain of 6102, is more vigorous, has larger bolls and lint which is 1/16 of an inch longer than 6102. The fiber of Delfos 911 has the most quality and drag of any of the Delfos strains. There is no question but that when it is available in commercial quantities it will command a premium over other cottons of the same length. It is a larger stalk, larger boll and much easier to pick than Delfos 6102.

Our seed is grown by Dr. Crump in Sharkey County, Mississippi, on his plantation and ginned on his private gin, there being no other cotton except Delfos 911 grown on this plantation and no other cotton except Delfos 911 ginned on his gin, and we have the seed from about 800 bales for sale.

Price—Bu. (32 lbs.) \$2.50; 100 lbs., \$6.00; 500 lbs., \$25.00.

Not prepaid. Write for prices on quantities.

Delfos Cottons

The word "Delfos" is a contraction of Del (ta) and Fos (ter). It is used as a variety name for certain strains of Foster cotton selected at the Delta Branch Station, Stoneville, Mississippi. The varieties of Delfos listed on this page have proven the best for delta lands or similar river bottom lands anywhere cotton is grown.

(1148)

DELFO 631—Description—Plant erect, medium height, rather open; two or more well developed vegetative branches; main stem taller and heavier than in Delfos 6102; fruit limbs short to medium length; leaves small to medium sized, somewhat hairy, three to five lobed and medium green; involucre bracts rather large with prominent teeth; calyx lobes rather prominent; bolls medium large, ovate, long-pointed, sixty-four to seventy to a pound; bolls open well and are fairly storm proof. Burs straight, of medium weight, and not troublesome in picking; seeds medium sized, covered with heavy white fuzz; staple 1 3/16 to 1 1/4 inches; lint percentage 30 to 31.5. Delfos 631 resembles Delfos 6102 in general appearance, but is a little more vigorous in its growth and is some taller. It is consequently somewhat better for planting on poor lands, but is well adapted to rich land. Delfos 631 is susceptible to wilt or blight and should not be planted on wilt infected soil. Considering the size of boll and length of lint, it is very early and prolific, but it is not as prolific as Delfos 6102. It has a better staple length than Delfos 6102 and Express, excelling most strains of Express in lint percentage by about three per cent.

Price—Per bu. (32 lbs.). \$2.50; 100 lbs., \$6.00; 500 lbs., \$25.00. Not prepaid. Write for prices on quantities.

Medium Staple Cotton

(1151)

WANNAMAKER CLEVELAND—One of the best and earliest large-boll varieties, and is well adapted to boll weevil lands. Bolls are large and thick; requires 52 to make a pound. Lint runs 1 to 1 1/16 inch, strong and very often brings a premium. Seed, snuff colored and medium size, out-turn at gin 33 1/3 to 40 per cent. Stalk is branching in growth with 5 or 6 primary limbs. This cotton is more widely grown in the cotton belt than any other variety, and none is more prolific.

At the Delta Branch Experiment Station, Stoneville, Miss., Wannamaker-Cleveland showed the highest both 5 and 10-year average of dollars and cents production to the acre than any cotton in its class, and the cotton that produces the most dollars and cents to the acre on your land is the cotton for you to plant.

Our stock of this seed is grown for us along the northern edge of the cotton belt, as our many years' experience has proven to us that cotton seed produced along the northern edge of the cotton belt in Tennessee and North Carolina will mature from ten days to two weeks earlier when planted further South than cotton seed grown in the middle or Southern part of the cotton belt, and you know from experience that to get your cotton on the market ten days to two weeks ahead of your neighbors, and before the market declines, means many more dollars to you. Remember this: I believe Wannamaker Cleveland cotton is the only variety of cotton being grown today that was being grown twenty-two years ago when I entered the seed business—it has stood the test and proven its worth.

Price—Per bu. (32 lbs.). \$2.00; 100 lbs., \$4.50; 500 lbs., \$20.00. Not prepaid. Write for prices on quantities.

Fertilizers for all crops shown on pages 102 and 103.



Short Staple Cotton

Buchanan's Improved Half and Half Cotton Seed

(1152)

HALF AND HALF—We put out no misleading advertisements and then buy gin-run mixed seed and sell them for Pure-Bred Half and Half seed. Our Half and Half seed are grown by farmers in the northern section, where practically nothing is grown but Half and Half. All seed are from first picking and from cotton picked without any rain on it from the time it opened until it was picked—this insures our customers planting seed of extra high germination. From our 20 years' experience in handling Half and Half cotton, we find it the heaviest yielding, quickest maturing cotton known. Its heavy yield per acre is well proven by the many splendid testimonials we receive every year. We claim that our our northern grown Tennessee Half and Half cotton seed will be from ten to fifteen days earlier than cotton grown further south than Tennessee. This claim has also been well proven by experience and testimonials of our customers, who find our Tennessee-grown Half and Half seed from ten to twenty days earlier than other cotton in their section. This one great advantage has caused many of our customers to make splendid crops when other varieties were ruined by boll weevil. Our Half and Half cotton has large bolls and is easy to pick. It has $\frac{7}{8}$ to a full inch staple; 1,050 pounds to 1,250 pounds of seed cotton gives 500 to 550-lb. bale of lint. Many of our customers get 45 per cent lint and some few 50 per cent lint. The yield per acre, length of staple and the turn-out at the gin will largely depend on the season, the nature of soil, the manner of handling and ginning.

Price—Per bu. (32 lbs.) \$2.00; per 100 lbs. \$5.00; 500 lbs. \$22.00. Not prepaid. Write for prices on quantities.



Buchanan's Improved Half and Half Cotton

Read What Others Say Regarding Buchanan's Improved Half and Half Cotton Seed

Mr. A. D. Ketchum, Holly Grove, Ark., Nov. 15, 1924, writes: It is the cotton for the farm man. It pays better than any cotton I have grown and I have been with the Washington people 37 years. I have grown several varieties of cotton but it beats any that I have ever grown. I got 24 $\frac{1}{2}$ c for it today. I believe every seed in the sack came up. Planted on land been in cultivation about 45 years.

Mr. W. A. Box, Horatio, Ark., Nov. 22, 1924, writes: It made $\frac{1}{2}$ bale to the acre in spite of the long drouth. The land was just common pine land. The turn out at the gin was good, better than home grown seed. It sold for the same price as the Home cotton. It did better than my home grown seed all around. I was well pleased with them.

Mr. H. H. Wellinghoff, Bigelow, Ark., Dec. 23, 1924, writes: In regard to the Half and Half cotton seed must say that I am well pleased with the return. I planted it on Medium Creek Bottom land. I got a good stand. I used 1 bushel to 1 acre so that made it 3 acres. I made 2,000 lbs. off the 3 acres where it took 4 acres of my other cotton to make half that much.

C. E. Wells, Wattensaw, Ark., Nov. 17, 1924, writes: We are well pleased with your Half and Half cotton seed. We planted on old upland without commercial fertilizers. It graded $\frac{7}{8}$ to 1 inch staple, 1,250 lbs. seed cotton made 500 lb. bale. If you don't tell the buyer it's Half and Half he won't know the difference. Will want more seed next year.

Doyle Webb, Cato, Ark., Nov. 17, 1924, writes: I liked my Half and Half cotton seed fine. I planted it early in May on upland. Three acres medium good upland. One acre on worn out orchard land. I averaged 950 lbs. of seed cotton to the acre. We had a severe drouth all through July and August and September. August 1st I had a prospect of 1 bale to the acre, but the dry weather caused it to shed badly and injured the staple. About 1,250 lbs. made a 500 lb. bale. I used 175 lbs. 16% acid phosphate to the acre and my cotton sold for as much as average cotton. The most difference at any time was 25c on the hundred for the lint, \$1.25 on the bale. I will plant Half and Half next season to make a bale to the acre. I had a large crop and never gave my cotton no special work or extra fertilizer. I cleared \$100.00 per acre on my cotton and cotton seed.

Drew Co. Bank & Trust Co., Monticello, Ark., Nov. 21, 1924, writes: The seed we ordered of you were perfectly satisfactory, both as to germination and yield. These seed were planted on light sandy lands. Taking 1,200 lbs. to make 500 lbs. lint and sold from 20c to 24c during the season.

Mr. Ed. Woodworth, Tilton, Ark., Dec. 28, 1924, writes: I got some Half and Half cotton seed from you and I am more than pleased with them. I planted them on poor white land where was said it was only good for peas and I raised very good cotton for such a dry year. The Half and Half is my kind of cotton. It is earlier than other cotton I ever raised before. I had 1,245 lbs. and I got a bale weighing 460 lbs. I got it on the market when cotton was 25c a lb., because it was early and because it didn't take so much seed cotton. I feel like I saved money because I got it out before it went down.

C. G. Baker, Harrisburg, Ark., Nov. 17, 1924, writes: Regarding Half and Half cotton seed, I planted 100 lbs. on about 4 acres of 3 year old new ground in bottom of which hard pan is very close. I had 1,630 lbs. Got 606 lbs. lint cotton and will have about 300 lbs. more to pick. I have not sold yet, so cannot give you price. From my observation Half and Half is best cotton for our section here.

Mr. Jno. R. Cullins, Junction City, Ark., Nov. 18, 1924, writes: The seed I bought from you last spring I sold them to different parties about over the county and some in Louisiana and all the people that I have talked to about the seed are well pleased. I think about 45 lbs. of lint to the 100 lbs. of seed cotton and the kind of land it was raised on most of it is sandy, some dirt, but not much.

Mr. B. B. Breeland, Tylertown, Miss., Nov. 17, 1924, writes: I am well pleased with the Half and Half cotton seed I bought of you last spring. Planted them on very old uphill land, using 400 lbs. of 12-2-1-65 fertilizer to acre when planting with 100 lbs. of nitrate of soda per acre when plowing second time. And with one of the dryest years in the history of our state have picked half bale per acre and on second crop will get $\frac{1}{2}$ bale more per acre. 1,260 lbs. seed cotton made bale of 530 lbs. 1,170 lbs. made bale of 480 lbs. or about 42% lint. Sold for about 23c. I am discarding all other seed and using Half and Half altogether.

Mr. Thomas Wilkinson, Nesbit, Miss., Nov. 17, 1924, writes: I am well pleased with cotton seed bought last spring. I planted on ordinary hill land, used 300 lbs. fertilizer (200 lbs. acid phosphate and 100 lbs. nitrate of soda). I picked off one acre 970 lbs. seed cotton. I ginned 1,350 lbs. and got bale weighing 543 lbs. I shipped it to Mississippi Cotton Association and it classed middling.

Mr. Martin Tucker, Box 274, Crenshaw, Miss., Nov. 19, 1924, writes: I bought your Half and Half cotton seed this spring and planted them on black land the 20th of April. I got four bales on four acres of land. I put 1,350 lbs. of seed cotton and it made 515 lb. bale and I got 23c. This is good short cotton.

Mr. James L. Cupit, Meadville, Miss., R. 2, Nov. 28, 1924, writes: I am well pleased with the Half and Half cotton seed purchased of you last spring. It was planted on sandy loam soil, clay subsoil. It made one-half bale per acre. Turnout at gin 48 $\frac{1}{2}$ per cent. Sold for 22 $\frac{3}{4}$ c per lb., which was top of market at that time.

Mr. W. E. Boushe, Grenada, Miss., Nov. 19, 1924, writes: The Half and Half cotton seed were satisfactory in every way. I bought from you 4 $\frac{1}{2}$ bushels and planted 5 $\frac{1}{2}$ acres. I think every seed came up. The land was average upland; 1 $\frac{1}{2}$ acres was in my orchard and heavily shaded therefore did not give full yield. I gathered 4 bales from the 5 $\frac{1}{2}$ acres. Had none been in orchard would have made bale per acre. The balance of my place was planted in Trice Cotton, which averaged $\frac{1}{2}$ bale per acre. Next year my whole place will be planted in Half and Half cotton seed.

Mr. H. S. Williamson, Mendenhall, Miss., Nov. 21, 1924, writes: I like the Half and Half cotton seed very well. I planted the seed on ridge land, light sandy upland with clay soil. I used 200 lbs. nitrate of soda and 200 lbs. acid phosphate to the acre. I planted about 7 acres with the seed. I used an Avery planter with a hill dropper. Cotton made good with dry weather we had. I made 3 bales of cotton. Cotton turned out something like 41 $\frac{1}{2}$ % lint. The best turnout I had was 1,028 lbs. seed cotton. Bale weighed 448 lbs. The Half and Half cotton sold at the same price other cotton did.

Mr. R. R. Whitten, Crowder, Miss., Nov. 18, 1924, writes: I am very much pleased with this cotton. Planted on river bank land, nature of soil made land, leafy loam. 1,300 lbs. gave me a 500 lb. bale. All sold brought 23c. No difference in price of Half and Half and Improved Kings on market here. One plot of land of two acres produced 2 $\frac{1}{2}$ bales. Have had calls for seed even before I was through picking.

Mr. Newton Cotten, Pioneer, La., Nov. 21, 1924, writes: I planted six acres in Half and Half cotton seed. It made extra good I think for the chance it had. We planted in April, got rain on it until the first of June was the last rain, only one little shower 15th of August. I planted on old land, but used nitrate of soda 1,000 lbs. to acre and stable fertilizer and made 2,700 lbs. of seed cotton, averaging 530 and 505 lbs. of lint cotton to the bale. On the market it brought 24c a lb., where the other short staple brought 23 $\frac{1}{4}$ c and 23 $\frac{3}{4}$ c.

Mr. W. M. Sidle, Capleville, Tenn., Nov. 17, 1924, writes: The Half and Half cotton seed bought from you in the spring came up fine. I planted these seed on good and bad hill land, using 300 lbs. 12-5-2 per acre and got a yield of 830 lbs. of seed cotton per acre. 1,230 lbs. seed cotton gave me 477 lbs. lint. 1,380 lbs. turned out 503 lbs. lint.

Fertilizers for all crops shown on pages 102 and 103.

BUCHANAN'S RECLEANED AND TESTED CLOVERS AND PASTURE SEEDS



American Grown Alfalfa Seed

Alfalfa or Lucerne Clover is the most talked of and most widely planted of all the varieties of clover in the world. It is said that the feeding value of a ton of Alfalfa is equal to a ton of shelled corn.

Alfalfa in the South will produce 5 to 7 tons of hay to the acre each year and in true value is worth 45 per cent more than other clovers and 60 per cent more than Timothy hay. It will grow 4 or 5 crops a year and it does not exhaust the soil; it enriches the soil. Its long branching roots penetrate far down, 15 to 20 feet, and so loosen the subsoil that it is a gigantic subsoiler, resists drought, and gets plant food where other crops would be a failure. When the plants are destroyed in order to raise other crops on Alfalfa land, the large roots decay and produce a vast source of fertility to be used by following crops.

Fall sowing is decidedly preferable, although fine results can be obtained from early spring sowing. Give it care and attention, especially the first year, and your trial will show you that you can not afford to be without it. Get it thoroughly established by first preparing your land, applying plenty of lime, and before seeding you should inoculate the seed. If your land has never had Alfalfa growing on it before, be sure to inoculate the seed with nitrogen-gathering bacteria for Alfalfa, which are necessary. See Nitragin, Page 82. When once established, Alfalfa is the most valuable permanent clover that can be grown. It is adapted to almost the entire South and has the highest feeding value of any hay. Do not sow on wet ground, high and rather dry being preferable, and only cut when coming into bloom.

Do not buy cheap Alfalfa seed. If it's cheap, it is not pure Alfalfa, but mixed with weed seeds. Weeds are very troublesome to Alfalfa, crowding it out and ruining the quality of your hay, so be sure to get the highest grade seed and no other kind. This is absolutely essential to success. Sow in thoroughly prepared soil, either broadcast or in drills.

SOWING ALFALFA SEED

AMOUNT TO AN ACRE—Our general rule is 20 to 25 pounds per acre, but I have customers who sow from 30 to 35 pounds to an acre, they saying that they want the Alfalfa to crowd out the Crab Grass Seed, and not the Crab Grass Seed to crowd out the Alfalfa.

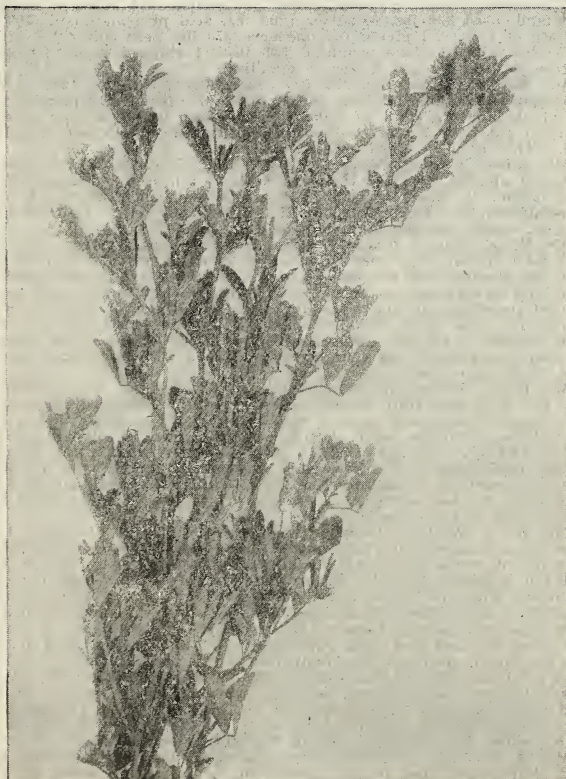


Photo Showing Alfalfa in Bloom

About Prices

The prices of Clovers and Grasses are changing constantly, and were we to quote definite prices on large quantities in this catalogue they would probably be incorrect before we received your order. Send us a post card and immediately upon receipt of it we will send you our regular quotation card quoting the lowest prevailing prices, which we will guarantee for a stated period.

(1050) BUCK BRAND ALFALFA

BUCK BRAND ALFALFA—Grown for us in the State of Kansas, and, during our 20 years in the seed business, we have shipped this seed to every Southern State. Our annual sales now amount to 30 to 40 thousand pounds each year, and, after 20 years' experience, we call it the best upland American grown alfalfa seed. Price—1 lb., 40c; 5 lbs., \$1.90; 10 lbs., \$3.60; 15 lbs., \$5.10, 25 lbs., \$8.00, post paid. Write for prices in quantities when ready to buy.

(1051) DAKOTA 12 ALFALFA

DAKOTA No. 12 ALFALFA—This variety is the result of years of careful breeding and represents the highest type of Alfalfas Dakota produces exceptionally hardy Alfalfa, practically immune to winter killing. Stands drought and heat as well. Highly recommended by Mississippi Experiment Station at Stoneville. Our seed is the genuine Dakota No. 12 stock. Price—1 lb., 55c; 5 lbs., \$2.50; 10 lbs., \$4.50; 15 lbs., \$6.30, 25 lbs., \$10.00, post paid.

(1052) HAIRY PERUVIAN ALFALFA

HAIRY PERUVIAN—Grows rapidly, has long slant stems. Quick to recover after cutting and is said to grow better during the winter months than common alfalfa; furnishes more pasture. This alfalfa is very popular in the hot, dry country of the Southwest, but has not been planted very much in this section. Those who have planted it in this territory are well pleased, and its deep rooting tendency enables the plant to keep in healthy condition during the dry season. It will not stand as much cold weather as Buck Brand or Dakota 12 Alfalfa. Price—1 lb., 45c; 5 lbs., \$2.00; 10 lbs., \$3.80; 15 lbs., \$5.25, 25 lbs., \$8.25, post paid.

ALFALFA

HOW TO GROW

This twenty page booklet on the history of Alfalfa is very complete, written by me after 20 years' experience in handling alfalfa seeds—it is free to you—write for copy.
R. B. BUCHANAN.



Buchanan's Recleaned Clover Seeds

The farmer who includes Clovers in his rotation of crops is the man who is today growing larger crops of all grains, year in and year out, than he who follows any other rotations. It will pay as a hay crop or pasture, to say nothing of the improvement in the soil after growing Clover a year or so; then fields which have once grown a crop of Clover are very readily seeded again. No Clover does well on sour soil. Use lime freely where necessary, but grow Clover in some form, and remember that we now have, in addition to the regular types (the common forms), Alfalfa, the most vigorous and lasting of all Clovers; Melilotus Alba, or Sweet Clover, a big thrifty plant, which will grow on land too poor for any of the other types, and in one or two seasons put the land in condition to grow any of them; and Japan Clover, an annual plant sown in the spring, and thriving on waste land and that which is too poor for other crops.

All Prices on This Page Post Paid.

(1053) Buck Brand Red Clover

RED CLOVER (Buck Brand)—Southern farmers are fast realizing the great value of this crop for pasture, for hay, as a soiling crop and for fertilizing, but many have yet to learn the importance of quality in Clover Seeds. We sell an increased quantity each year, and our customers report most satisfactory results. This variety is largely planted in Louisiana, Mississippi, Tennessee and other Southern States, being admirably adapted to the hill parts of the South, especially the valley lands of North Georgia, Alabama, Mississippi and States farther north. It makes two or more cuttings of hay each season, and is fine for pasturage in a combination with other clovers and grasses. Sow seed during the fall and spring, at the rate of 12 to 15 pounds to the acre. A bushel weighs 60 pounds. Price—1 lb., 50c; 5 lbs., \$2.40; 10 lbs., \$4.50; 15 lbs., \$6.45; 25 lbs., \$10.25.

(1054) Red Clover (Mammoth)

RED CLOVER (Mammoth or Sapling)—It greatly resembles the Medium Red, but grows coarser and more vigorous. It is the best Clover for pasturage, as it will produce an enormous yield and is of the highest feeding quality, but not as desirable for hay. Specially desirable for hog pasture. Price—1 lb., 60c; 5 lbs., \$2.75; 10 lbs., \$5.00; 15 lbs., \$7.05; 25 lbs., \$10.90.

(1055) Alsike or Swedish Clover

ALSYKE or SWEDISH CLOVER—This is one of the hardiest varieties known. It is perennial and does not winter-kill. It will do better on moist land than any other variety of Clover, and is suitable for either hay or pasture. When sown with other grasses, it forms a thick undergrowth and greatly increases the yield. It is frequently sown both with Medium Red Clover and with Timothy, and the quality of hay thus produced is excellent. It is fine-stemmed and leafy and thus is quickly cured. Sown alone for forage, 12 lbs. per acre; in mixture, Alsike 4 lbs., Red Top 6 lbs., Timothy 5 lbs. Price—1 lb., 50c; 5 lbs., \$2.40; 10 lbs., \$4.50; 15 lbs., \$6.45; 25 lbs., \$10.55.

(1057) Sweet Clover White Blossom

SWEET CLOVER (Melilotus Alba)—A variety of clover which, while young, resembles alfalfa, but on mature development grows from 4 to 6 feet in height. It is extremely vigorous and especially adapted to waste lands, though by many prominent farmers and stock raisers is used on good land for a crop forage. It is very vigorous in growth, standing frost and drouth remarkably well, the tap root penetrating the soil very deeply, and occasionally used as a drainage plant for wet soils. It will grow on almost any barren hillside, in bottoms, and is equally adapted to all good farming lands. Sweet Clover is one of the most valuable crops for bees, being the main honey plant in many sections. Can be sown either in spring or fall, preparing and sowing as you would for Red Clover. Owing to the difficulty of getting clean seed free from Johnson Grass and weed seed, we have discontinued handling this seed in the chaff, and handle only the clean seed or hulled seed. Sow 12 to 15 lbs. to the acre. Price—1 lb., 35c; 5 lbs., \$1.50; 10 lbs., \$2.50; 15 lbs., \$3.50; 25 lbs., \$5.25.



Red Clover

Prices on Clovers are constantly changing—write for prices when ready to buy in quantities.



Sweet Clover (Melilotus Alba)

QUANTITY PRICES—On all seeds see yellow price list in center of book.

Please order Seeds by the number prefixed to each variety. It will save your time in writing the order and ours in filling it.



Recleaned Clovers and Seed Sowers

(1062)—Bur Clover

The demand for Bur Clover is growing very rapidly in the South for Winter pasture. If you sow Bur Clover on Bermuda Grass sod this will give you green pasture all the year around. Disk over your Bermuda Grass and then sow Bur Clover in the Fall. It can also be sown by itself.

HOW TO SOW

The inoculated seed should be sown broadcast in the early Fall, using from 12 to 18 pounds hulled seed per acre. If sown in burs some 30 to 40 pounds per acre should be sown.

If seed is sown after the middle of August, it is not a bad idea to boil the seed one minute, which tends to loosen the husk and aids in rapid germination. Be sure to inoculate after boiling. Sow in July, August, September or October. The Clover will then come up when conditions are favorable. You will find this a splendid crop to grow, both for feed and to build up your soil.

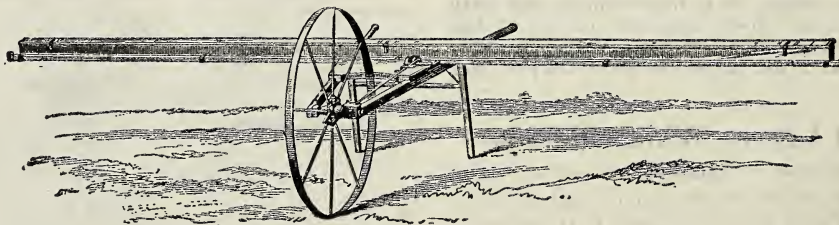
Bur Clover and Bermuda Grass make a wonderful combination for permanent pasturage, which is excellent for horses and mules. Bur Clover is a wonderful fertilizer. When sown for pasture we recommend thorough preparation of land before sowing, insuring stand the first year. A good stand will double the yield of any field in one year without the aid of commercial fertilizer. In South Carolina, soil that had only been making 10 bushels or corn per acre yielded 70 bushels per acre in three years after Bur Clover had been sown, this Bur Clover having been plowed under as a fertilizer during the months of February, March and April.

Bur Clover will grow on any type of soil, and can be depended upon to add humus and nitrogen to the soil annually without sacrificing the regular Summer crop at the farm, and is the cheapest legume that serves as a Winter cover crop. Does not require re-seeding, perpetuating itself, if given half a chance. Is also splendid to plow under as a green manure crop.

1062—STANDARD SOUTHERN SPOTTED LEAF BUR CLOVER IN BUR—Price: 1 lb., 30c; 5 lbs., \$1.35; 10 lbs., \$2.50; 15 lbs., \$3.45; 25 lbs., \$5.00, post paid.

1062A—CALIFORNIA GROWN BUR CLOVER—Fancy hulled seed. Price: 1 lb., 35c; 5 lbs., \$1.50; 10 lbs., \$2.70; 15 lbs., \$3.75; 25 lbs., \$6.00, post paid.

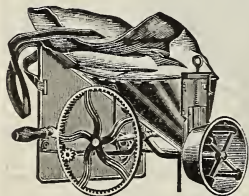
QUANTITY PRICES—On all seeds see yellow price list in center of book.



The **WHEELBARROW CLOVER GRASS SEEDER** will sow Clover, Timothy, Alfalfa, Orchard Grass, Red Top, Blue Grass, etc. The hopper is carried close to the ground, permitting its use during windy weather. It has a chain feed, making it positive and uniform in its distribution. Wheel 32 inches high, light and rigid. Frame and hopper made from selected material.

No. 10 Single Hopper Seeder, 14-foot. Weight, 47 pounds. Price, each. \$12.50—Not Prepaid

Cahoon Broadcast Seeder



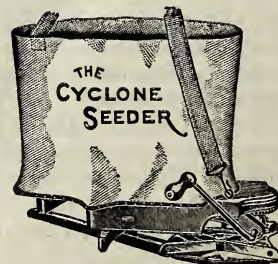
The standard broadcast seeder and one of the best. Sows all kinds of grain, Clover, Timothy, etc. In operation sows 4 to 5 acres an hour at a common walk. Distributes seed uniformly in one-fifth the time required by hand. Circular on request.

Price each \$4.50. Postpaid \$4.85

Cyclone Broadcast Seeder

Thousands of these are in use with perfect success. Adapted to all kinds of grain and heavy grass and clover seeds.

Price \$2.25. Postpaid \$2.45



Buck Brand Grass Seed Mixtures for Hay and Pasture

For farmers who are intending to put land down permanently to grass, our special Grass and Clover Mixtures are decidedly better than sowing two or three varieties together.

The prices on all feedstuff have been so high during the last few years that all farmers and stockmen see the necessity of making every acre of land pay, and there are thousands upon thousands of acres of land all over the South that are not working, that would pay big if sown down to Permanent Pasture. Every farmer knows the value of pasture for all stock and we have a mixture listed below suitable for any Southern soil, read them over carefully and have a good pasture so the stock will gather their own feed. Our pasture mixtures can be sown any time you have your land well prepared during the months of September, October, November, December, February, March and April, location considered.

After years of experimenting we have aided largely in establishing the fact that a thick and more prolonged growth is produced by a mixture of several varieties than when only one or two are used. There are always certain grasses that are especially adapted to certain kinds of soils, and these are so carefully combined in our mixtures that in our Mixture for Permanent Pastures grasses will be found that mature at intervals during the season, thereby insuring continuous pasturage, while our Mixture for Hay Land will furnish excellent hay as well as late pasturage.

We are prepared to furnish seeds adapted to all soils and all situations, and for all purposes, composed of grasses for light, medium or heavy soils; by light soil we mean that which is more or less of a sandy or gravelly nature; the heavy, clay and heavy loams; while the medium is an intermediate between these two. A light, wet soil, with respect to the grasses suited to it, may be considered same as to the heavy soils, and a dry, heavy soil, more as to light soils.

These mixtures are especially blended with a view to secure the largest possible yields. All the grasses are permanent when once established. They will last indefinitely if occasionally top dressed.

Prices on Clovers and Grasses are constantly changing—Write when ready to buy in large quantities.

No. 1—SHADY PASTURE GRASS SEED MIXTURE

1112—BUCK BRAND SHADY PASTURE No. 1—Composed of the grasses and clovers which grow best in the shade; as we know every farmer wants some shady spots in his pasture if it is possible to have same; also wants his shady ground to produce, therefore we furnish this mixture composed of the following grasses and clovers: Kentucky Blue Grass, Japan Clover, English Rye Grass, White Clover, Red Top, Orchard Grass, mixed, of fresh, clean, high germinating seeds. Sow 15 lbs. to the acre. Price, 1 lb., 35c; 5 lbs., \$1.40; 10 lbs., \$2.55; 15 lbs., \$3.60; 25 lbs., \$6.10, post paid. Write for prices on larger quantities.

No. 2—MAIN PASTURE GRASS SEED MIXTURE

1113—BUCK BRAND UPLAND MIXTURE No. 2—This mixture is our main pasture mixture or mixture for general planting and is composed of clovers and grasses which do well on our Southern uplands, mixed of the highest grade seeds that money can buy: Perennial Rye Grass, Tall Meadow Oat Grass, Orchard Grass, Bur Clover, Sweet Clover and Japan Clover. Sow 20 to 25 lbs. to the acre. Price, 1 lb., 35c; 5 lbs., \$1.40; 10 lbs., \$2.55; 15 lbs., \$3.60; 25 lbs., \$6.10, post paid. Write for prices on quantities.

No. 3—LOWLAND PASTURE GRASS SEED MIXTURE

1114—BUCK BRAND LOWLAND PASTURE No. 3—Most every farm has some low land unfit for cultivation owing to its remaining wet until too late to plant in the spring, and this very land would be made to pay well if sown with our Lowland Pasture Mixture. The formula for this mixture has been tried on many thousands of our Southern farms with excellent results. Mixed of following seeds: Alsike Clover, White Clover, Red Top, Timothy, Orchard Grass, English Rye Grass, Bur Clover and Sweet Clover. Sow 15 to 20 lbs. to the acre. Price, 1 lb., 35c; 5 lbs., \$1.40; 10 lbs., \$2.55; 15 lbs., \$3.60; 25 lbs., \$6.10, post paid. Write for prices on quantities.

No. 4—MEADOW PASTURE GRASS SEED MIXTURE

1115—BUCK BRAND PERMANENT MEADOW No. 4—This special mixture for mowing hay is composed of grasses and clovers which ripen together for the first cutting, but it also contains smaller proportions of other grasses, which will increase considerably the second cutting and also add very much to the pasturage yield in case it is desired to use the field for pasturage afterwards.

Farmers are realizing more each year the value of those idle acres if put to work and also the value of a hay crop, especially when the crop is improving the land. Many acres, considered worthless and grown up in weeds, have been brought back to a high state of fertility by running a few years in a meadow.

This mixture contains: Red Clover, Alsike Clover, Red Top, Tall Meadow Oat Grass, Perennial Rye Grass, Orchard Grass, Timothy and Japan Clover. Sow 15 lbs. per acre. 1 lb., 35c; 5 lbs., \$1.45; 10 lbs., \$2.65; 15 lbs., \$3.70; 25 lbs., \$6.75, post paid. Write for prices on quantities.

No. 5—HOG PASTURE GRASS SEED MIXTURE

1116—BUCK BRAND PERMANENT HOG PASTURE No. 5—Is offered with the confidence that it will give stock raisers entire satisfaction. It has already been thoroughly tested and proved of great value for all kinds of stock. It contains four varieties of clover, besides many kinds of grasses. It is a substantial mixture which will prove a profitable investment to any farmer and, we are safe in saying, cannot be equalled anywhere. Not only is it suitable for hogs, but sheep, cows and horses relish this rich pasturage. You cannot afford to be without it. Composed of the following grasses: Red Clover, Japan Clover, Alsike Clover, Sweet Clover, Orchard Grass, Rye Grass and Bur Clover. Sow from 20 to 25 lbs. of seed an acre. Price, 1 lb., 35c; 5 lbs., \$1.45; 10 lbs., \$2.65; 15 lbs., \$3.70; 25 lbs., \$6.35, post paid. Write for prices on larger quantities.



Inoculate

Alfalfa, Sweet Clover, All Clovers, Soy Beans, Cow Peas, Vetch, Peas, Beans, All Legumes With

Registered in the United
States Dec. 6th, 1898.
OVER 30 YEARS AGO



Awarded Gold Medal
World's Fair—St. Louis, 1904
OVER 24 YEARS AGO

The Original Soil Inoculator

Grow legumes—alfalfa, clovers, soys, vetch, peas, and beans—for valuable feed crops, soil improvers, cover crops; BUT BE SURE TO INOCULATE THEM WITH NITRAGIN. Agricultural Colleges advise inoculations. Inoculated legumes draw valuable nitrogen from the air—not the soil—increase yield and quality of the crop and leave a rich store of nitrogen in the soil for future crops. Inoculated legume seed develops heavy clusters or nodules, where nitrogen is stored, on the roots of the legume plant and without which the legume is valueless as a soil builder. Nitragin inoculated legume crop bears heavy nodules and pays big in increased soil fertility. Protect yourself by insisting on NITRAGIN, the original Soil Inoculator. All inoculators are perishable; every package of Nitragin is dated as to life of contents for your protection. Look for the dated label when buying; agricultural colleges recommend this protection.

PRICES FOR FIELD NITRAGIN

1/4 bu. size for 15 lbs. seed.....	\$0.40
1/2 bu. size for 30 lbs. seed.....	.60
1/2 bu. size for Soy Beans and Cow Beans.....	.40*
1 bu. size for 60 lbs. seed.....	1.00
1 bu. size for Soy Beans and Cow Peas.....	.70*
5 bu. size for 300 lbs. seed.....	4.75
5 bu. size for Soy Beans and Cow Peas.....	2.50*

*These prices on Nitragin for Soy Beans and Cow Peas have been greatly reduced from former prices. Buy the economical 5 bu. size for 50c per bushel of seed, treated.

When ordering, always state kind of seed you want to inoculate.

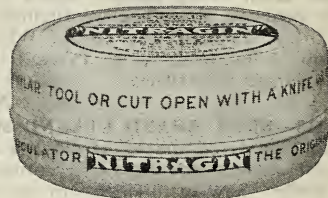
NITRAGIN FOR GARDEN USE

Every garden needs Nitragin; garden size is for Peas, Sweet Peas, and Beans, including Lima (3 in one Inoculant). Price.....20c

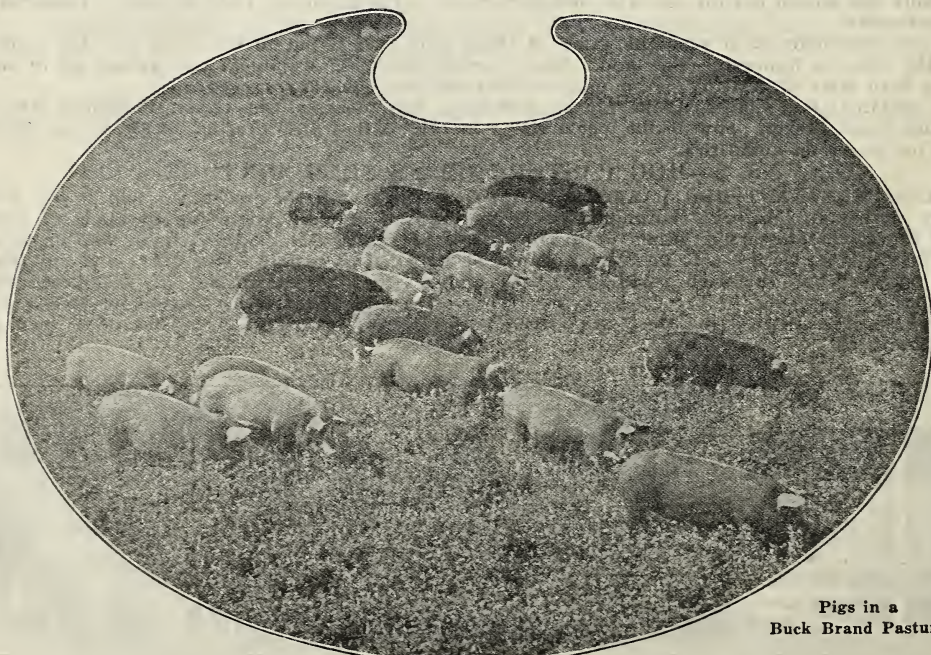
QUANTITY PRICES—On all seeds see yellow price list in center of book.



Inoculated Alfalfa Boots



Sold in tins—not glass—packed in rich, soil-like granular medium, easy to mix with seed. Contents always fresh and bacteria active and vigorous.



Figs in a
Buck Brand Pasture



(1108) Timothy

The Most Extensively Grown Hay Grass—12 to 15 Lbs. Sows an Acre.

For hay, Timothy is the best known and most extensively grown of all grasses. A stand is easily established, it is inexpensive to sow, it starts quickly and yields its best crop the year after it is sown, but the following year's crop may be equally as heavy if liberally top-dressed with stable manure. It stands up well, is easily cured, and is heavy for its bulk, for which reason it has proved the most profitable hay crop when grown for market. The yield on good land frequently runs from 1½ to 3 tons to the acre.

Timothy requires good land to make good crops—this applies particularly to Timothy, for, unlike other grasses, it does not enrich the soil, but exhausts it, so that top-dressing with stable manure or fertilizer is advised; the fertilizer should contain a

liberal amount of ammonia. If sown with sapling clover the clover will help to supply nitrogen.

Meadow Fescue or Randall Grass, Red Top or Herd's Grass and Sapling Clover all mature at the same season as Timothy, and are good grasses to sow with it for hay and grazing, increasing the yield of hay and the yield and value of the pasturage. A good mixture is 6 lbs. Timothy, 5 lbs. Red Top or Herd's Grass, 7 lbs. Meadow Fescue, and 5 lbs. Alsike Clover; this mixture will furnish an excellent hay and fine pasturage on good loamy soils or on low ground. If Timothy and Alsike Clover are sown together, mix 8 lbs. Timothy and 6 lbs. Alsike Clover.

Price—Pound, 20c; 5 lbs., 90c; 10 lbs., \$1.60; 25 lbs., \$3.50, post paid. Write for prices on quantities.

QUANTITY PRICES—On all seeds see yellow price list in center of book.

(1111) Buchanan's Sudan Grass Seed

This grass is an Annual belonging to the Sorghum family. The first seed was secured from Khartum, Sudan, in 1909.

When planted in rows and cultivated in fairly rich soil it grows to a height of 7 to 9 feet and has stems ¼ inch in diameter. Broadcasted, it rarely exceeds 3 to 5 feet in height and the stems are much finer in diameter. Sudan Grass is not particular about the soil, but it does best in fairly rich clay loam; stools abundantly, as many as 100 stalks coming from a single root. In general appearance, Sudan Grass is very much like Johnson Grass, but they are entirely distinct, for Sudan Grass lacks root stocks and, therefore, never becomes troublesome as a weed.

Sudan Grass can be sown in rows 18 to 42 inches apart and cultivated like corn, or it can be drilled in with a grain drill or sown broadcast by hand. Planted in rows 36 to 42 inches apart 2 to 3

pounds per acre of good seed is sufficient, in rows 18 to 24 inches apart 4 to 6 pounds, and drill or broadcast, 16 to 24 pounds per acre.

Sudan Grass is easy to cut with a mower and cures readily, so that the process is much the same as that of the millet or any other hay grass, and yields from 2 to 4 tons of cured hay per acre. It is best to cut just after full bloom, so that it will have as much time as possible for the second growth. After cutting it renews its growth promptly, and in about 40 to 50 days another cutting is ready. Sudan Grass grows abundantly after the first cutting and the second is very fine-stemmed.

Price—Pound, 20c; 5 lbs., 70c; 10 lbs., \$1.15; 25 lbs., \$2.60, post paid. Write for prices on larger quantities.

QUANTITY PRICES—On all seeds see yellow price list in center of book.

(1061) Lespedeza (Japanese Clover)

Lespedeza is the salvation of Southern worn cotton lands, and it produces a good hay crop on rich bottom lands.

Lespedeza has never failed to grow on any soil in the Middle or Southern States, and, while it will grow year after year on hard, compact, uncultivated soil, it will respond in a marked degree to cultivation.

At Arlington Farm, Va., in 1916, a crop of 12 to 14 inches high was obtained on land that was well prepared, while the plants on adjacent plats that had received no cultivation grew only 5 to 6 inches.

Lespedeza is the one seed that the Creator of All Things sent to us of the Southland to restore our Worn Cotton Lands.

Lespedeza being one of the leading crops of the South, we have made an exhaustive study of its growing and seed conditions, and we are fitted to take care of your wants if you want the best, cleanest seed obtainable, free of Johnson Grass and Wild Onions. Sow in February, March, or April. Seeds weigh 25 lbs. per bushel. Sow 20 to 25 lbs. per acre. Grows anywhere; is tenacious in any soil; lasts always.

Price—Pound, 35c; 5 lbs., \$1.65; 10 lbs., \$3.00, post paid. Write for prices on quantities.



Cutting and Stacking Lespedeza Hay (Japanese Clover) on Farm of Ed Carr, near Vanndale, Arkansas



Buchanan's Grass Seeds for Pasture and Hay

All Prices on This Page Are Post Paid.

QUANTITY PRICES—On all seeds see yellow price list in center of book.

1100—BERMUDA GRASS—A great boon in the South for pasture; when once established no amount of drouth or hot weather will kill it out. It succeeds on nearly all soils, furnishing a constant growth of grass during the summer, but becoming brown and bare in the fall and winter. It cannot be recommended too highly for pasture and general culture in the South, and it is also excellent for summer lawns. Its strong, creeping roots will absolutely prevent wash. Sow April to July (8 lbs. to acre). Price, 1 lb., 60c; 5 lbs., \$2.75; 10 lbs., \$5.00; 15 lbs., \$7.20; 25 lbs., \$11.25. Write for prices on quantities.

1101—RED TOP or HERD'S GRASS—A hay and pasture grass. Succeeds on most kinds of soils, but does best on heavy or low, moist, stiff soils. By repeated mowing, this grass holds well during the summer, but its chief value is for winter pastures. Will stand wet weather admirably, growing well after being covered with an overflow of water for two or three weeks at a time. It is used largely for hay. For lawn and pasture mixtures it is invaluable. Sow 15 to 20 pounds of our fancy re-cleaned solid seed to the acre. Price—1 lb., 50c; 5 lbs., \$2.25; 10 lbs., \$4.25; 15 lbs., \$6.00. Write for prices on quantities.

1103—KENTUCKY BLUE GRASS—A lawn and pasture grass, succeeding best on limestone land, but does well on stiff clay and medium soils. Forms a compact sod and stands tramping exceptionally well. In most sections of the central South it is largely sown for lawn purposes also, as it remains almost dormant during the hot weather, and improves after the first year on suitable soil until you have a beautiful stand. Its principal value in pasture seeding is for mixing with Lespedeza, Bermuda, Carpet Grass, and other summer growing grasses, clovers, etc. Sow about 40 lbs. to the acre, preferably during the early fall or spring. Price—1 lb., 40c; 5 lbs., \$1.85; 10 lbs., \$3.50; 15 lbs., \$5.10; 25 lbs., \$8.00. Write for prices on quantities.

1104—ORCHARD GRASS—A hay and pasture grass. A coarse growing, bunch grass, furnishing good grazing in early spring and late fall. Its growth is checked during the hot weather; it will endure considerable rough treatment without injury and should be kept closely grazed for best results. Does best on moist or heavier clay soils; will stand much shade and is excellent for woodland pastures and for sowing in gullies, to prevent erosion. Yields from 1 to 3 tons of hay per acre. Throughout Florida and in parts of other Southern States, Orchard Grass is extensively sown during the early fall and spring for lawn purposes. Sow about 40 pounds to the acre of our extra fine, re-cleaned seed. Price—1 lb., 35c; 5 lbs., \$1.60; 10 lbs., \$3.00; 15 lbs., \$4.20; 25 lbs., \$6.50. Write for prices on quantities.

1105—PASPALUM DILATATUM, or DALLAS GRASS—Also known as Large Water Grass. It is a smooth, perennial, with deep, strong root system and grows in clumps or bunches 2 to 4 feet high. The leaves are numerous near the ground but few on the stems. The stems are slender and usually drooping with the weight of the flower clusters. In the South, it makes an all-year-round grazing and hay grass where it spreads naturally. Owing to its tendency to lodge, this grass is better suited for pasture than for hay. It is one of the best winter pasture grasses for heavy, moist, black soils. It remains green all winter unless injured by severe frosts and persistent grazing will not injure it. Price—1 lb., 50c; 5 lbs., \$2.25; 10 lbs., \$4.00. Write for prices on quantities.

1106—CARPET GRASS—Its creeping habit enables it to bear close grazing without injury. It is strictly a pasture grass, seldom growing large enough to be worth cutting for hay. It will stand close grazing and heavy trampling better than any other grass in the Gulf region. Carpet Grass pastures are readily established by seeding at any time from early spring to late summer on well-firmed seed bed, when moisture conditions are favorable. The carrying capacity of good carpet grass pasture is one cow to the acre for the five best months and one cow to two acres for three to five months longer. Lespedeza, white clover, vetch are desirable in mixture with Carpet Grass. Italian rye may be used as a winter mixture. To secure a full stand of the grass promptly, seed should be sown at the rate of 10 pounds per acre. Price—1 lb., 50c; 5 lbs., \$2.35; 10 lbs., \$4.50; 15 lbs., \$6.45; 25 lbs., \$10.25. Write for prices on quantities.

1107—ENGLISH RYE—Very valuable for permanent pasture; also for lawn purposes. It makes a very heavy leaf growth for pasture or hay. Withstands drouth to a remarkable degree. Used extensively throughout our section for lawns. Use it in Bermuda sod to keep the lawn green during the fall, winter and early spring, when the Bermuda is dormant. Sow from September until March at the rate of one to two bushels to the acre. Price—1 lb., 25c; 5 lbs., \$1.10; 10 lbs., \$1.95; 15 lbs., \$2.70; 25 lbs., \$4.60. Write for prices on quantities.

1109—CANADIAN BLUE GRASS—A flat-stalked meadow grass. Grows a foot or more high. Recommended for horses, cows and sheep. Thrives well on clay. Sow 30 to 40 lbs. to the acre. Price—1 lb., 40c; 5 lbs., \$1.85; 10 lbs., \$3.50; 15 lbs., \$5.10; 25 lbs., \$8.00. Write for prices on quantities.

1110—TALL MEADOW OAT GRASS—Desirable for permanent pasture and meadows, because of its early growth, also from the fact that it produces a heavy growth after being mown, and lasts several years. It grows wherever Orchard Grass will. Sow 28 to 30 lbs. to the acre. Price—1 lb., 40c; 5 lbs., \$1.90; 10 lbs., \$3.60; 15 lbs., \$5.25; 25 lbs., \$8.25, post paid. Write for prices on quantities.

QUANTITY PRICES—On all seeds see yellow price list in center of book.



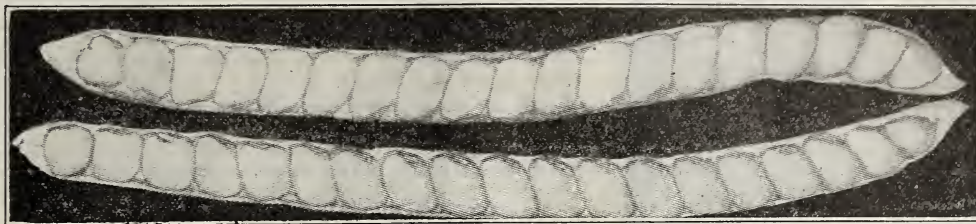
HAVE A PASTURE LIKE THIS ON YOUR FARM.



Buchanan's Cowpeas and Table Peas

The prices on Cowpeas, Field Beans, and Edible Cowpeas are constantly changing, and it is impossible to quote prices on quantities when this catalogue is printed, but in season we will quote prices promptly upon receipt of your inquiry asking for same.

PEAS—For field planting it requires 1 to 2 gallons drilled to the acre; broadcast 1 to 2 bushels to acre—60 lbs. to bushel.



BUCHANAN'S CREAM OR SUGAR CROWDER PEAS

Field Peas

All Prices on This Page Post Paid

Table Peas

1235

WHIPPOORWILL—A favorite, early, upright-growing variety, more largely used and sold than any other kind. Has brown speckled seed, which are easily gathered. Makes a good growth of vines, which can be easily cut and cured as dry forage. We recommend this where an early variety of good growth and height is desired. Pkt. (4 oz.) 10c; ½ lb. 15c; 1 lb. 25c; 2 lbs. 40c; pk. (15 lbs.) \$1.60.

1238

NEW ERA—An early maturing variety which has proved very popular and satisfactory. Upright growing, quick to mature, and is remarkably prolific of peas. Rather small vine which cures easily, making splendid dry forage. The seed are smaller in size than the ordinary Cowpeas, so that it does not require as many to seed an acre—from ¾ to 1 bushel per acre will give ample seeding. Pkt. (4 oz.) 10c; ½ lb. 15c; 1 lb. 25c; 2 lbs. 40c; pk. (15 lbs.) \$1.60.

1239

BLACK—This is the standard variety, and the one most largely grown in this immediate section. It is very prolific, makes a fine growth, both of vine and leaves, and a good yield of peas. It is a splendid land-improver, and most valuable as a forage crop, and makes an enormous yield of rich, nutritious feed. Pkt. (4 oz.) 10c; ½ lb. 15c; 1 lb. 25c; 2 lbs. 40c; pk. (15 lbs.) \$1.60.

1236

THE CLAY—It is the most popular pea in the South. The plants are vigorous, usually seeding sparingly. Tall, erect, large green leaves. Pods are large and yellowish; seeds kidney shaped, medium size, cream color; medium to late. Pkt. (4 oz.) 10c; ½ lb. 15c; 1 lb. 25c; 2 lbs. 40c; pk. (15 lbs.) \$1.60.

1240

RED RIPPER—Red-seeded; a most desirable and productive variety. Makes long running vines and a fair yield of peas. One of the medium late varieties. Very popular in sections where it is known. Pkt. (4 oz.) 10c; ½ lb. 15c; 1 lb. 25c; 2 lbs. 40c; pk. (15 lbs.) \$1.60.

1237

MIXED COWPEAS—The principal varieties in the Mixed Cowpeas we offer are the Clay, Black, Wonderful, Whippoorwill and other Southern varieties. A great many Southern farmers prefer to sow Cowpeas in mixture, as they grow thicker, producing a better crop of vines and forage than sowing single varieties alone. Where the crop is desired for soil-improving it is really an advantage to sow these mixed peas. Pkt. (4 oz.) 10c; ½ lb. 15c; 1 lb. 25c; 2 lbs. 40c; pk. (15 lbs.) \$1.60.

1241

CREAM CROWDER—A strictly southern grown table pea, has been known to a few many years, growing in popularity very rapidly both for gardens and for planting on a large scale with corn. It is white or cream in color, very sweet and gets the name Crowder from the fact that they fit the hull very closely. (See cut). This is a bunch pea and very prolific on any fertilized garden, and should be planted as you would any other bunch garden pea. They thrive on clay or sandy loam land and respond readily to corn fertilizer. Planted with corn, 1 row of corn and 1 row of peas (1 peck to acre), you will get usual amount of corn and from 10 to 20 bushels peas to the acre, depending on the fertility of the land. They sell well on any southern market, both as a green shelled pea and as a dry shelled pea for winter use. My stock is carefully machine cleaned and hand picked for seed purposes. Pkt. (4 oz.) 10c; ½ lb. 20c; 1 lb. 35c; 2 lbs. 60c; pk. (15 lbs.) \$3.85.

1242

RICE, OR CREAM—A favorite Southern variety. One of the earliest to mature, and yields enormously of shelled peas, which are valuable for use as dried peas during the winter. They are superior in flavor to Blackeye Peas, and somewhat similar in appearance to the Gallavant, or Lady Pea, but are larger in size. Both these and the Gallavant Peas are very popular wherever grown, and they are usually readily salable at higher prices than Blackeye Peas. Pkt. (4 oz.) 10c; ½ lb. 20c; 1 lb. 35c; 2 lbs. 60c; pk. (15 lbs.) \$3.75.

1243

EXTRA EARLY BLACKEYE—These are ten days to two weeks earlier than the Large Blackeye, and a most valuable variety. They do not run as much as the Large Blackeye Pea, but grow more in bush shape and hold the peas up well off the ground, and the pods are very thick-set on the vine. Pkt. (4 oz.) 10c; ½ lb. 20c; 1 lb. 30c; 2 lbs. 50c; pk. (15 lbs.) \$3.00.

1246

GALLAVANT OR LADY—This is an old-fashioned pea, which is very popular in sections where it is known. The peas are small in size, of very fine flavor; superior in table qualities to the Blackeye Pea. It is very prolific, and a desirable variety to grow. It is known in some sections as "The Lady Pea." Pkt. (4 oz.) 10c; ½ lb. 20c; 1 lb. 35c; 2 lbs. 60c; pk. (15 lbs.) \$3.85.

1245

LARGE BLACKEYE—The Large Blackeye Peas are more prolific, better flavored, and bring a higher price than the ordinary Blackeye, and farmers will find it more profitable to plant these than the ordinary Blackeye; they make a more profitable crop to grow for picking the dry peas for sale in our markets during the winter. Pkt. (4 oz.) 10c; ½ lb. 15c; 1 lb. 25c; 2 lbs. 40c; pk. (15 lbs.) \$2.75.

1244

WHITE BROWN-EYED—A very desirable table pea and very much like our old-fashioned white black-eyed peas. Pkt. (4 oz.) 10c; ½ lb. 15c; 1 lb. 20c; 2 lbs. 40c; pk. (15 lbs.) \$2.75.



Buchanan's Honey Drip Syrup Cane
ALL PRICES ON THIS PAGE POST PAID



Buchanan's Sagrain

Buchanan's Cane Seed for Syrup and Forage (1194) Buchanan's Honey Drip Syrup Cane

It is two weeks later than Amber or Orange and makes a larger stalk and fully more than 1/3 more fodder than either Amber or Orange Cane. Therefore, it is especially recommended for silos.

CULTURE—Plant this cane seed on good land during April or May in drills (3-foot rows) at the rate of 8 to 12 pounds per acre. Cultivate like corn and chop out like cotton, leaving plants about 4 to 6 inches apart in the row. One seed will stool out and produce three to five stalks, usually growing from 10 to 12 feet tall, and under favorable conditions this variety will usually produce from 30 to 50 bushels of seed per acre and 125 to 200 gallons of syrup per acre, which is usually of a fine flavor and always sells well. It is best to cut for making syrup just as the seeds ripen, as the plants have more saccharine at that state of development, but if you desire to save seed, let the plant mature and cut when it is fully ripe. The seed heads should be cut and cured in the field. This variety of sorghum produces an abundance of splendid fodder. Some of the larger syrup makers do not pull the fodder, but run the stalk and fodder through a cane crusher, thereby saving labor. This method of crushing the cane may cause the syrup to be a little darker in color than if the fodder is pulled. Seed should not be run through crusher after they ripen.

It is an all-purpose sorghum cane, recommended in the highest for syrup, silage, fodder and seed. Orange, Amber and Red Top Sorghum are not good for syrup making and it is our experience that Texas Seeded Ribbon Cane cannot always be depended on for purity. It is somewhat similar to the Seeded Ribbon Cane but can be depended upon and is a vastly better cane for all its purposes all the way through. It is a valuable crop for feed, seed and syrup. Five pounds is enough to plant 1/3 acre, a plenty to give every planter seed to try it out for himself and to get a good start. Price—Pound, 25c; 5 lbs., \$1.00; 10 lbs., \$1.75.

1195—TEXAS SEEDED RIBBON CANE—This cane gets its name from being a variety that closely resembles the true Ribbon Cane raised from cuttings. Many plant it for syrup and claim it makes the very best. Price—Pound, 20c; 5 lbs., 85c; 10 lbs., \$1.50.

1196—JAPANESE HONEY SYRUP CANE—Claimed by many as the best of cane for making syrup ever introduced, we sell it more for silo, owing to the amount of sweetness it contains. Price—Pound, 20c; 5 lbs., 85c; 10 lbs., \$1.50.

Sorghum or Cane Seed for Forage

Recleaned—Free From Trash and Dirt—Every year the sowing of Sorghum in the South for forage and hay crops becomes more general. Can be sown either alone or mixed with cowpeas. Planted in drills, use 8 to 10 pounds per acre, or about a bushel (50 pounds) broadcasted for forage; if sown broadcast with peas use about 1/2 bushel (25 pounds) with one bushel of peas. It pays to fertilize sorghum heavily, the increased yield more than paying for the fertilizer. Matures hay in 60 days.

1198—EARLY AMBER SORGHUM—The earliest type in cultivation. Stalks tall and slim. Most suitable for hay, as it matures very quickly. Price—Pound, 15c; 5 lbs., 65c; 10 lbs., \$1.00.

1197—EARLY ORANGE SORGHUM—Largely used for hay and fodder. It is taller and has heavier stalks than the Early Amber. Price—Pound, 15c; 5 lbs., 65c; 10 lbs., \$1.00.

1199—RED TOP SORGHUM—Later, larger growth and better drought resister than Amber and Orange. Growing in favor in the Southeast. Price—Pound, 20c; 5 lbs., 75c; 10 lbs., \$1.25.

(1212) Sagrain—the Wonder Crop

Sagrain, rightly called the wonder feed crop, has taken the South by storm. It does well on all heavy types of soil; thrives under the same adverse conditions as sorghum, and produces six to seven tons per acre, one to two tons of which is grain. The grain is similar to that of the Kaffirs, which means it has 9/10 the feeding value of corn. In other words, 10 bushels of Sagrain is equal to 9 bushels of corn as a stock feed. Sagrain can be fed to mules, cows, hogs and other animals and is relished by all.

Sagrain should be planted on well-prepared seed beds in three to three and a half foot rows, 8 to 10 seed per hill every 10 to 12 inches. A blank corn plate with 3/8 inch holes, properly spaced, will do the work. One bushel will plant 6 to 8 acres and the Sagrain should be thinned three to five stalks per hill. It matures in 70 to 75 days.

W. E. Ayres, director of the Stoneville Experiment Station, says: "Sagrain is so drouth-resistant and has such a wide adaptation and has done so well so far that it deserves a thorough trial on the Delta plantations. It certainly is much safer than corn under conditions which most Delta corn is grown."

Sagrain is low and soy beans high in protein. A combination of the two will produce a well balanced ration.

Prices—Pound, 25c; 5 lbs., \$1.00; 10 lbs., \$1.75, post paid.

Not prepaid, the price will be about \$4.00 per bushel. Write when ready to buy.



All Prices on This Page Post Paid

KAFFIR CORN AND MILLET

1216—EGYPTIAN WHEAT—If it is used for fodder purposes, it may be cut about three times a year, yielding in the three cuttings from 5 to 7 tons per acre. Grows 6 to 8 feet high. Plant from January until July, depending upon your locality. We recommend sowing 10 pounds to the acre in rows $3\frac{1}{2}$ to 4 feet apart. Sow broadcast at the rate of 25 lbs. to the acre. Price—Large pkt., 10c; 1 lb., 25c; 2 lbs., 45c; 5 lbs., \$1.00; 10 lbs., \$1.75.

1210—WHITE AND 1211—RED KAFFIR—These two varieties become more valuable every year because of their drought resisting qualities. Grow 4 to 5 feet high, are very stocky and leafy: valuable alike for forage and grain. Plant from March to July, in rows 3 feet apart, drilling seed thinly like sorghum. If wanted for grain principally, let heads mature on the stalk and then the whole stalk may be cut for fodder after the seed heads have been cut. Price—Large pkt., 10c; 1 lb., 25c; 2 lbs., 45c; 5 lbs., \$1.00; 10 lbs., \$1.75.

1213—YELLOW MILO MAIZE—This makes a thick, succulent growth of forage, very nutritious and of splendid milk-producing qualities, and like sorghum, can be cut over two or three times where it is desired to cut for green forage. Also makes excellent ensilage, or can be cured same as other sorghums. Price—Large pkt., 10c; 1 lb., 25c; 2 lbs., 45c; 5 lbs., \$1.00; 10 lbs., \$1.75.

1214—PETERITA—A non-saccharine cane, a new forage crop for the South. Similar to Kaffir Corn in general habit, but grows a little taller and produces larger heads, standing erect, white seed and early maturity. Price—Large pkt., 10c; 1 lb., 25c; 2 lbs., 45c; 5 lbs., \$1.00; 10 lbs., \$1.75.

1185—TENNESSEE GROWN GOLDEN MILLET—It matures in from six to eight weeks after seeding. Cut while in bloom, before the seed hardens in the head, as after that the hay quality decreases. There are two necessities for a successful crop of Golden Millet—first, rich or highly manured soil; second, Southern grown seed, that from Tennessee being the best. Price—Large pkt., 10c; 1 lb., 25c; 2 lbs., 45c; 5 lbs., \$1.00; 10 lbs., \$1.75.

BUCHANAN'S PEANUTS

Kaffir Corn

CULTURE—Plant the shelled nut in May or early in June, dropping the nuts 8 to 10 inches apart in $2\frac{1}{2}$ to 3 foot rows and cover 1 to 2 inches deep. Cultivate thoroughly until the nuts begin to form. When harvesting loosen the roots with a plow, pull the vines with the nuts attached, allow them to dry, and stack around a stake, turning the nuts inward. Cross stakes or brush should be set at the foot of the stake to hold the vines off the ground.

(1177) Spanish Peanuts—Bunch

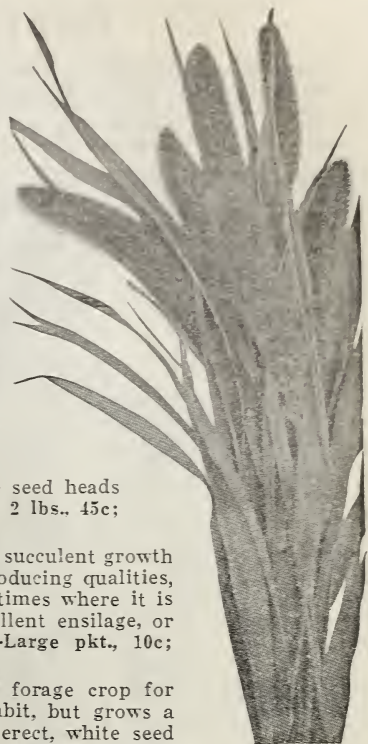
Although not as large as other kinds, there is no peanut grown that so entirely fills the pod nor can compare with it in sweetness and flavor. There is also a marked freedom from pops, so frequently found in the large varieties when grown under unfavorable conditions. They can be grown closer than most varieties, are more easily cultivated and gathered, as the nuts, which are clustered around the base of the plant, cling firmly to the roots, and no peanut is more readily cured. Price—Pound, 25c; 5 lbs., \$1.00; 10 lbs., \$1.75; 25 lbs., \$4.35, post paid. Write for prices on quantities.

1178—TENNESSEE RED RUNNING—The finest large variety grown; similar to Spanish Peanuts, but the pods are much larger and longer, well adapted to all soils. The pods usually contain from three to four nuts, which are very rich and highly flavored. Price—Pound, 25c; 5 lbs., \$1.15; 10 lbs., \$1.90; 25 lbs., \$4.50, post paid. Write for prices on quantities.

(1180) Virginia Peanuts—Red

The biggest, brightest peanuts always have preference when the market is depressed, so you cannot be too careful about the peanut you grow. There is no peanut of the running type that will yield better crops with as small a percentage of pops as our selected stock of Improved Virginia Peanuts. They are uniformly large, and when grown on light sandy land will produce nuts of that bright attractive appearance demanded by the best trade. Price—Pound, 30c; 5 lbs., \$1.25; 10 lbs., \$2.00; 25 lbs., \$4.50, post paid. Write for prices on quantities.

1179—JUMBO OR MAMMOTH WHITE VIRGINIA—Large size pods; best variety for commercial use. Price—Pound, 35c; 5 lbs., \$1.50; 10 lbs., \$2.75; 25 lbs., \$5.50, post paid. Write for prices on quantities.



Tennessee Cultivated Millet



Spanish Peanuts



Buchanan's Soy, or Soja Beans

Prices on the articles below are constantly changing.
When ready to buy in quantities, write for prices.

All prices on this page Post Paid.



Laredo Soy Beans

1225—LAREDO (The New Soy Bean)—The Laredo Soy Bean is a new variety that is a distinct addition to the forage crops of the Cotton Belt. Its value, when compared to other Soy Beans, is in the fineness of its stems, its yield of hay, its medium early maturity, and its heavy yield of seed. As a hay yielder, this bean is outstanding. A heavy yield of seed means economy in producing the seed crop for the next year. As compared with Cowpeas, the Laredo Soy Bean will yield from 2 to 3 times as much seed per acre. It is much easier to harvest, and, in seeding, only from one-sixth to one-eighth the amount of seed per acre required for Cowpeas is necessary. The Laredo Soy Bean is a medium early variety with a growing habit somewhat like the Ootootan, in that its bushy growth consists of a large number of fine stems, though unlike the Ootootan, in that the stems put out at the ground and are heavily fruited from the base to the tips of the branches. It is both wilt resistant and nematode resistant, making it suited to a wider range of soils and farm uses than any other variety. As a soil builder it ranks favorably with other summer legumes making equal growth. It is a certain fruiter and a good crop is assured where it is given a fair showing. Laredo Soy Beans may be planted from the earliest cotton planting date to the first of July with reasonable certainty of a good crop. The larger yields may be expected on the earlier planting. The seed of the Laredo are very small and one bushel will plant from 8 to 10 acres in 2½ foot rows. The seed should be dropped 3 to 6 inches apart in the drill for seed and somewhat closer for hay. The seed should be covered very lightly, not more than one inch, and it is best to plant following a season. It is advisable to inoculate Soy Beans that are to be planted on land that has not grown this crop for several years. Price—Packet, 10c; 1 lb., 35c; 5 lbs., \$1.40; 1 peck, 15 lbs., \$3.00, post paid. Write for prices on quantities.

The Soy Bean—A Standard Southern Crop

CULTURE—Soy Beans may be planted either broadcast or in drills. Usually a better crop is had when planted in drills and cultivated, and few crops leave the land cleaner and in better condition for the following crop. They grow equally well on light and heavy soils, but on heavy soils they should not be planted more than 1 to 1½ inches deep except in dry seasons. On light sandy soils plant deeper, but not more than three inches deep. When sown broadcast sow 1 to 1½ bushels to the acre, in drills about a peck to the acre. Plant in April, May, June or July.

1224—BILOXI—An upright variety, growing 4 to 5 feet high, covered with a dense mass of foliage that does not shed easily. A heavy yielder of beans; the oil and protein contents are high; a fine bean for hogging down, for planting with corn or sorghum and for oil. The pods are less liable to pop than most varieties, in fact, they hardly shatter at all. Late in maturing, requiring a long season to mature, but make an unusually luxuriant growth. Price—Packet, 10c; 1 lb., 30c; 5 lbs., \$1.25; 1 peck, 15 lbs., \$2.50, post paid. Write for prices on quantities.

1226—OTOOTAN—Few Soy Beans can equal Ootootan as a hay maker. Its late maturity is more than overcome by the abundant growth—5 feet and more in long-growing seasons—its fine stems and abundant foliage, and the fine texture of its hay, which cures quickly. It differs from most varieties in having many leafy branches instead of a coarse central stem, making it easy to cut and easy to cure. Planted in 3-foot rows, they will cover the land with a mass of foliage. Price—Packet, 10c; 1 lb., 35c; 5 lbs., \$1.40; 1 peck, 15 lbs., \$3.00, post paid. Write for prices on quantities.

1227—MAMMOTH YELLOW—The most extensively grown for both beans and forage, both of which it yields in great abundance. It grows more than 3 feet high, is erect in growth and can be cut with a mower. Particularly valuable for the entire South for both beans and forage. Mammoth Yellow is one of the largest growers among Soy Beans, and the most widely grown variety and excels in yield of bean hay. Broadcast Mammoth Yellows, like Cowpeas, 60 to 90 pounds per acre, or plant about 30 pounds per acre in 3½ to 4 foot drills. Cut for hay when pods are well formed, or let the beans mature if wanted for seed. They make a good main crop. Price—Packet, 10c; 1 lb., 25c; 5 lbs., 90c; 1 peck, 15 lbs., \$2.00, post paid. Write for prices on quantities.

1230—VIRGINIA—On account of its abundant growth and large yield of beans, the Virginia makes most excellent hay and ensilage. As it is about 20 days earlier than Mammoth Yellow, it can be sown further north and throughout the Corn Belt. The vines make a fine growth, are filled with pods, stand about 3 feet high, are easy to cut and easy to cure. The stems being fine and the leafage profuse, adapts it particularly well for hay making. Price—Packet, 10c; 1 lb., 25c; 5 lbs., \$1.00; 1 peck, 15 lbs., \$2.10, post paid. Write for prices on quantities.

Buchanan's Mung Beans

A Wonderful Crop—A New Bean of Great Value

1229—A comparative new bean that has thoroughly demonstrated its value to the South. Mung Beans are great soil builders, they produce a large quantity of hay per acre, the beans are good to eat and make an excellent chicken feed. The plants grow from 3 to 5 feet high, in a straight, upright bushy form, are easy to cut and cure out and the hay is relished by any kind of stock. The yield of seed will run from 500 to 1,000 pounds per acre. Mung Beans are very hardy and will come to a stand under the most adverse conditions. They withstand wilt and insects of all kinds and do not weevil-eat like Cowpeas.

Mung Beans should be planted in May for hay or turning under. They produce a smaller plant and make more seed if planted in June or early July. The seed are small and it takes from 3 to 5 pounds to drill an acre in 3½-foot rows. Broadcast, it takes from 10 to 15 pounds to seed an acre. Beans mature in 90 to 120 days, depending on the season. Pkt., 10c; 1 lb., 40c; 5 lbs., \$1.75; 1 pk. (15 lbs.), \$4.85. Write for quantity prices.

All seeds listed on this page are delivered transportation paid in the U. S. or possessions. Order Early.



Buchanan's Velvet Beans

All Prices on This Page are Post Paid.

In the South, Velvet Beans are used very largely for winter grazing, and for this purpose is one of the best crops for the light soils. They should be allowed to grow until December or until killed by frost, after which they can be grazed through the winter as the vines, leaves and pods decay very slowly and remain palatable a long time. Early in the spring the crop remaining is plowed under as a soil improver and adds very materially to the productiveness of the soil.

Velvet Beans are usually grown with corn. The corn is planted in 5-foot rows, three feet apart in the row, and the beans planted in the corn. At the last working, beans are planted again in the middles between the corn, dropping two seed about every 12 to 15 inches. When the corn is dry it is pulled from the stalk, and cattle turned in to graze. It furnishes most nutritious and fattening food, and is considered the cheapest method of fattening cattle; at the same time the roots and what is left of the vines, when turned under, make a good soil-improver. Velvet Beans are usually planted in rows four to five feet apart at the rate of one-half bushel per acre.

1228—Extra Early Velvet Beans—Extra Early Velvet Beans, or 100-Day Speckled Velvet Bean. Although they will not mature the pods in one hundred days, this is one of the earliest varieties and can be grown farther north than the common Velvet Beans. In more northerly sections, where the seeds will not mature, it will make a wonderful growth of vines for pasturing and finishing cattle, and a fine soil-improver. Pkt., 10c; 1 lb., 25c; 5 lbs., 90c; 1 pk. (15 lbs.) \$2.00. Write for quantity prices.

1231—Bush or Bunch Velvet Beans—A popular new variety that is much in demand. The Bush Velvet Beans grow like Soy Beans. They can be planted anywhere the Extra Early Velvet Beans can and are much more easily handled. They grow from 2 to 3 feet high and from 2 to 6 feet wide, depending on the soil. They will produce about the same amount of beans as the Extra Early and make fine hay. They do not run or climb. Once tried, I believe you will always plant them. Pkt., 10c; 1 lb., 25c; 5 lbs., 90c; 1 pk. (15 lbs.) \$2.00. Write for quantity prices.

Vetch

Is a wonderful nitrogen gatherer and soil improver. It grows surprisingly well on poor land. It reseeds itself. It increases the milk flow. It saves on the fertilizer bill. Stock eat it with relish and fatten on it. It yields a wonderful amount of forage and hay.

For Feeding and Grazing—It is eaten with relish by all kinds of stock, and its fattening properties are of a high order—analysis shows that it contains 17 per cent of protein. It furnishes splendid grazing during the early spring, and if not grazed too long, will produce a heavy crop of hay. All who are interested in an increased milk production and the fattening of stock will be well pleased with Vetch.

Sow as early as the weather will allow, 25 to 30 lbs. to the acre, with 3 pecks of Rust-Proof Oats to hold the vines off the ground and make the cutting easier. Sow also in corn and cotton at the last working without any expense for preparation of the land.

1176—HAIRY OR SAND VETCH—The hardiest vetch. Fine for hay, grazing and improving land. Resows itself, coming year after year from a single sowing. Grows well on all soils and surprisingly well on poor, thin land, and will stand extremes of drought, heat and cold. The yield of hay is really wonderful, as many as twenty long vines growing from a single root. It may also be sown in the fall to make hay about the end of May, for an excellent pasture or to prevent the leaching of plant food from the land by the winter rains. It never winter kills. Price—Pound, 30c; 5 lbs., \$1.25; 10 lbs., \$2.25; 25 lbs., \$5.00, post paid. Write for prices on quantities.

1175—OREGON VETCH—Makes the same tall growth as Hairy or Sandy Vetch, but has larger leaves and does better on heavier soils and makes a fine hay of high feeding value and much relished by all kinds of stock. Price—Pound, 30c; 5 lbs., \$1.25; 10 lbs., \$2.25; 25 lbs., \$5.00, post paid. Write for prices on quantities.

1155—AUGUSTA OR SPRING VETCH—Very popular in the South the past few years; about three weeks earlier in spring than Hairy Vetch. Sow 20 lbs. to acre with other grains. Price—Pound, 30c; 5 lbs., \$1.25; 10 lbs., \$2.25; 25 lbs., \$5.00, post paid. Write for prices on quantities.



Early Velvet Beans



Sand or Hairy Vetch

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Buchanan's Miscellaneous Farm Seeds

ABOUT PRICES

The prices of Field Seeds are changing constantly and were we to quote definite prices on sack lots or more in this catalogue they would probably be incorrect before we receive your order. Send us a post card and immediately upon receipt of it we will send you our regular quotation card quoting the lowest prevailing prices on sack lots or more, which we will guarantee for a stated period.



Red May Wheat



Abruzzi Rye

Buchanan's Smooth Beardless Wheat

We do not use much wheat in the South, yet it is a well known fact that wheat is one of the very best of the small grains for winter grazing, and stock will leave most any other grazing for wheat, if given their choice.

Wheat, 60 lbs. to a bushel; sow 60 to 90 lbs. to acre alone, with Vetch 30 lbs. Wheat and 30 lbs. Vetch.

1258 FULTZ. A smooth head wheat, sown in South for grazing green hay and in some sections threshed and ground for flour. Price—Peck, \$1.50; $\frac{1}{2}$ bu., \$2.75; 1 bu., \$4.25, post paid. Write for prices on quantities.

1259 BLUE STEM. Practically the same as Red May wheat. Price—Peck, \$1.50; $\frac{1}{2}$ bu., \$2.75; 1 bu., \$4.25, post paid. Write for prices on quantities.

1260 RED MAY. Beardless or smooth-head, sown mostly in the South for grazing and to cut green for hay in Spring. Price—Peck, \$1.50; $\frac{1}{2}$ bu., \$2.75; 1 bu., \$4.25, post paid.

Prices on wheat will be about \$2.25 per bushel, not prepaid. Write when ready to buy.

Barley

1263 BEARDLESS WINTER BARLEY. It makes a quick growing crop of most excellent and nutritious feed, either to use green or to cure as hay. Sow $1\frac{1}{2}$ to 2 bushels per acre. Price—Peck, 85c; $\frac{1}{2}$ bu., \$1.60; 1 bu., \$2.85, post paid.

1262 BEARDED WINTER BARLEY. Best for fall sowing; in fact, makes the finest winter pasture and should be more generally used. Price—Peck, 85c; $\frac{1}{2}$ bu., \$1.60; 1 bu., \$2.85, post paid.

Buchanan's New Crop Southern Grown Seed Rye

All of our Seed Rye is carefully inspected and cleaned to guard against you getting Johnson Grass, Wild Onion, and Cheat. Packed $2\frac{1}{2}$ bu. (140 lbs.) to bag; sow alone 56 to 112 lbs. to acre) with Vetch 30 lbs. Rye and 25 lbs. Vetch.

1265 BUCHANAN'S ABRUZZI RYE. Every time we grow a crop of Abruzzi Rye we become better pleased with it and more and more impressed with its possibilities for Southern planting. On heavy soils Abruzzi makes a vigorous growth with well filled heads that mature earlier than Common Rye. In our tests of various ryes, Abruzzi proved one of the earliest in this respect, being equalled by none. It stands from 5 to 6 feet high with fairly stiff straw of average size; the heads average about 6 inches long and are well filled. For winter and spring grazing on light lands no rye is the equal of Abruzzi. On the government test farm at Arlington, Va., in a test covering five years, Abruzzi Rye averaged 36 bushels to the acre, produced large heads and tall, vigorous growing large straw. If sown on good land in September it will be ready for grazing in about six weeks, and will furnish grazing for several months if not grazed too close. Unless wanted for grazing, do not sow as early as September, as it may go to seed during the winter or early spring; late October or early November is early enough to sow for a grain crop. Price—Peck, \$1.50; $\frac{1}{2}$ bu., \$2.75; 1 bu., \$4.25, post paid. Write for quantity prices.

1266 MICHIGAN ROSEN RYE. Makes a splendid cover crop, and when grown on land to which it is suited, makes heavy grain head on thick, stiff straw about 5 feet high. It is fine for grazing, although the spring growth is not as early as Abruzzi, nor is the straw as long. Price—Peck, 95c; $\frac{1}{2}$ bu., \$1.75; 1 bu., \$3.25, post paid.

1267 SOUTHERN RYE. I have sold Southern or Common White Rye for thirty years, and while there is no special comment to make on same, there is more of it sown than all other varieties combined. It is cheaper in price and can be sown from August 15 to December 15 for grazing. Sow about 2 bu. to acre. Price—Peck, 95c; $\frac{1}{2}$ bu., \$1.75; 1 bu., \$3.25, post paid.

**R.B. BUCHANAN SEED CO.****MEMPHIS, TENNESSEE.****BUCK BRAND TESTED SEEDS**

1063 Buchanan's Genuine Dwarf Essex Rape

THE MOST VALUABLE OF ALL QUICK-GROWING FORAGE CROPS—READY TO PASTURE
WITHIN 50 TO 60 DAYS FROM TIME OF PLANTING

ONE OF THE CHEAPEST AND QUICKEST FORAGE CROPS PRODUCED

Rape requires only 8 pounds of seed to the acre and practically the same seed bed preparation as corn. Unlike corn and many other crops, Rape requires no cultivation from the time it is seeded until it is ready to pasture. It is ready to pasture in about 60 days after seeding, one acre affording excellent forage for 10 to 15 hogs or sheep. Rape can be sown alone or in combination with other grain and grass crops. Rape sown in combination with oats makes excellent forage, the oats being drilled in at the rate of 1 bushel per acre and the Rape seed sown broadcast at the rate of 5 to 6 pounds per acre. Another good combination and one possibly used more extensively than all others is RAPE SEED, OATS, and RED CLOVER. Rape seed 5 to 6 pounds per acre, Oats 1 bushel, and Red Clover 8 pounds per acre. Red Clover and Rape sown broadcast and the Oats drilled in. Sow August to December or in spring. Price—1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.75, parcel post paid. Write for quotations when wanted in larger quantities.



Dwarf Essex Rape

Buchanan's Southern Grown Seed Oats

Oats packed 5 bu. (160 lbs.) to bag; sow 60 to 90 lbs. to acre alone; with Vetch 32 lbs. Oats and 30 lbs. Vetch.

1275 APPLER OATS. Are equally well adapted for sowing both in the spring and fall. Price—Peck, 65c; ½ bu., \$1.10; 1 bu., \$2.05, post paid.

1276 EARLY BURT OATS (90 days). Sow in February, March, and April, 15 days earlier than any other spring oats; free from rust; healthy, and makes a remarkably good yield of clean, bright, heavy grain. Price—Peck, 60c; ½ bu., \$1.00; 1 bu., \$1.75, post paid.

1277 CLAY OATS. Very similar to the Early Burt Oat in every way; for spring planting only. Price—Peck, 65c; ½ bu., \$1.10; 1 bu., \$2.05, post paid.

1278 TENNESSEE TURF OATS. Often called Winter Turf because they stand the winter better than any other oat that you can sow in the fall. Sow at the rate of 2 bushels per acre. Price—Peck, 75c; ½ bu., \$1.30; 1 bu., \$2.45, post paid.

1279 FULGHUM OATS. This Oat has been very popular for 6 years. It is of the rust proof type, earlier than either Apple or Red Rust Proof, and a heavier yielder. Price—Peck, 65c; ½ bu., \$1.10; 1 bu., \$2.05, post paid.

1280 TEXAS RED RUST PROOF. I do not hesitate to recommend this variety as being the best of all varieties for spring or fall seeded oats. It is very hardy, seldom winter kills, and is especially recommended for fall planting in preference to other varieties by several of our foremost Agricultural Experiment Stations. This variety is very hardy, producing a medium tall, stiff straw and a heavy yield of grain or hay. The stock which we offer is exceptionally heavy, bright, re-cleaned, and graded. Price—Peck, 65c; ½ bu., \$1.10; 1 bu., \$2.05, post paid.

Prices on Oats not prepaid should range from 75c to \$1.25 a bushel this year. Write when ready to buy in quantities.

2164 BROOM CORN (Dwarf). Sow in May, about 10 lbs. per acre, in drills 3 feet apart. Plants should be thinned out to stand 3 inches apart in the row. Price—Large Pkt., 10c; 1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.75, post paid.

1269 BUCKWHEAT (Silver Hull). The grain of this type is plump and silvery gray. The crop continues to bloom longer than common buckwheat and therefore is larger. Sow broadcast, 50 lbs. to the acre. Price—Large Pkt., 10c; 1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.75.

1268 SUNFLOWER (Mammoth Russian). Sow 10 lbs. per acre in drills 3 feet apart, dropping the seed about every 4 inches. Price—Large Pkt., 10c; 1 lb., 30c; 2 lbs., 50c; 5 lbs., \$1.00, post paid.



Texas Red Rust Proof Oats

QUANTITY PRICES—On all seeds see yellow price list in center of book.

All Seeds listed on this page are delivered transportation paid in the U. S. or possessions. **Order Early.**

Buchanan's Day-Old Chicks by Parcel Post



TIMES HAVE CHANGED

My! But how chick raising has changed since you and I were children. Then we set the hen on 15 eggs, each one duly marked with an "X" or an "O" so we could tell the setting eggs from others that would be laid in that nest during the three weeks' time that we were scrapping to keep the laying hens away and the "settin" hen on the nest. After a three weeks' scrap, if we were lucky, we got a pretty good hatch from the eggs that were not broken by the hens fighting to do their duty—one wanting to set, the other wanting to lay—but that is all changed now. The wise poultryman keeps his hens laying and buys his chicks already hatched.



Parcel post or express prepaid.
Live arrival of 100% guaranteed.

This photo shows 100 Buchanan's Day-Old Chicks ready for mailing

BUCHANAN'S DAY-OLD CHICKS

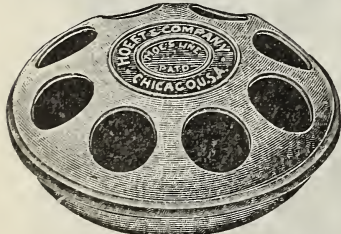
Delivered post paid—When You Want Them. We begin shipping about Jan. 1 and continue until July 1, and expect to hatch and ship about 200,000. Remember! The earlier you hatch a chick in the spring the earlier you will have laying pullets the next fall.

Sell your winter eggs while prices are high. Keep your hens laying. Send us your order for early chicks. We will fill all orders as received. First come, first served. Book your orders now.

PRICES	25 Chicks	50 Chicks	100 Chicks	500 Chicks	1000 Chicks
S. C. White Leghorns.....	\$4.00	\$7.50	\$14.00	\$65.00	\$125.00
S. C. Brown Leghorns.....					
Barred Plymouth Rocks.....	4.25	8.00	15.00	70.00	135.00
White Plymouth Rocks.....					
Rhode Island Reds.....					
Anconas.....					
Assorted for Broilers—					
Mixed Chicks, Heavy Stock Only ...	3.75	7.00	14.00	60.00	115.00
Mixed Chicks, Light Stock Only....	3.50	6.50	12.00	55.00	100.00

Beginning March 1st we reduce prices on Baby Chicks 1c each or \$1.00 a hundred.

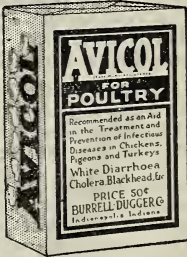
Moe's Round Baby Chick Feeder



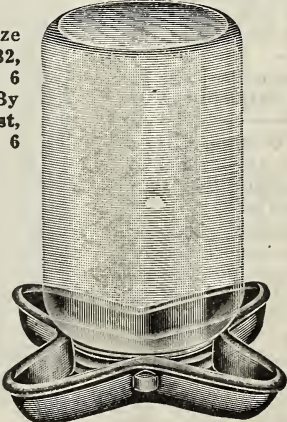
Moe's Round Baby Chick Feeder

Avicol Saves Baby Chicks

A safe and effective remedy in tablet form for White Diarrhea, Cholera, etc., in small and large grown fowls. Avicol is now being used by thousands of successful poultry raisers the world over. Write for circulars. Price 50c and \$1.00 per pkg., post paid.



Star Jar Fountain and Feeder



Star Fountain Holder

One size only. No. 32, each 20c; 6 for \$1.00. By parcel post, each 25c; 6 for \$1.15.

DON SUNG
Guaranteed Egg Producer



Absolutely guaranteed to put your hens in good condition and make them lay more eggs.

It is a scientific discovery for hens that merely stimulates the egg organs, making her strong and vigorous.

Price, box, 45 tablets, 50c; parcel post paid. Large size box, 135 tablets, \$1.00. Special size, 700 tablets, \$5.00, parcel post paid.

START BABY CHICKS WITH CONKEY'S STARTING FEED


Save your baby chicks by giving them

Conkey's BUTTERMILK STARTING FOOD

for the first 3 weeks. They'll grow like weeds.

Get a small package and try it on the next brood you hatch. Conkey's Buttermilk Starting Food is a slightly medicated, well balanced food that builds strength and stamina, while the dry buttermilk aids greatly in preventing baby chick troubles.

At store, 2½ lbs. 25c; 5 lbs. 40c; 10 lbs. 70c; post paid, 2½ lbs. 35c; 5 lbs. 55c; 10 lbs. 90c.



**R.B. BUCHANAN SEED CO.****MEMPHIS, TENNESSEE.****BUCK BRAND TESTED SEEDS**

BUCHANAN'S DOG FOODS AND MEDICINES

Spratt's Dog Cakes

	At Store	Post Paid
Dog Cakes, 2¼-lb. box.....	\$0.40	\$0.60
Dog Cakes, 5-lb. box.....	.80	.90
Dog Cakes, 10-lb. bag.....	1.50	1.75
Dog Cakes, 50-lb. bag.....	7.00	....
Dog Cakes, 100-lb. bag.....	13.00	....
Puppy Cakes, box.....	.45	.55
Fibo, box.....	.40	.50
Ovals, box.....	.40	.50
Cod Liver Oil Cakes, box.....	.45	.55
Puppy Meal, box.....	.45	.55



Peerless Meat-Cereal Dog Food

PRICES:

10 lbs.....	\$0.85	50 lbs.....	\$3.50
25 lbs.....	1.95	100 lbs.....	6.00

(F. O. B. Memphis)

This is a specially prepared, nutritious ration, used by large kennels with great success. It's the best dog food on the market, according to many.

Pup-E-Ration

Contains red meat, organic iron, calcium phosphate, Norwegian cod-liver oil and marrow meat—the elements necessary for growth of body, bone and coat. Ready to serve. Packed in one-pound tin cans.

PRICES:

1 can.....	20c; post paid, 30c
3 cans.....	50c; post paid, 60c
6 cans.....	\$1.00; post paid, \$1.25
1 case, 48 cans.....	\$6.95; express extra

Ken-L-Ration

Made similar to Pup-E-Ration, but stronger. Intended for dogs and cats. Some customers call it "Canned Meat." Prices same as for Pup-E-Ration.

Clayton's Dog Remedies

Mange Remedy.....	\$0.60	Canker Lotion Liquid (tablets).....	\$0.60
Skin Lotion.....	.60	Vermifuge (liquid) (soft capsules).....	.60
Distemper Liquid or Tablets.....	.60	Eye Lotion Liquid (tablets).....	.60
Condition Pills with Pepsin.....	.60	Fit Remedy Liquid (tablets).....	.60
Blood Purifying and Cooling Pills.....	.60	Cough Remedy.....	.60
Laxative Pills.....	.60	Puppy Tonic.....	.60
Worm Pills.....	.60	Sulphur Tablets.....	.60
Tape Worm Expeller.....	.60	Rheumatic Tablets.....	.60
		Diarrhoea Remedy Liquid.....	.60
		Chorea Tablets.....	.60

Sergeant's Dog Medicine

Known to All Dog Fanciers

Distemper Medicine.....	\$1.30	Cough Medicine.....	\$0.65
Mange Medicine.....	.75	Rheumatic Pills.....	.65
Condition Pills.....	.65	Dog Rub.....	.65
Sure Shot Capsules.....	.65	Eye Wash.....	.65
Sure Shot Liquid.....	.65	Constipation Capsules.....	.65
Tape Worm Medicine.....	.65	Carbolic Tar Soap.....	.30
Arsenic and Iron Pills.....	.65	Skip-Flea Soap.....	.30
Canker Wash.....	.65	Skip-Flea Powder.....	.30
Well Mouth.....	.65	Carbon Tetrachloride, for hookworm and running fits capsules.....	1.10
Pepsin Tablets.....	.65		



Carbon Tetrachloride C. P.

Will absolutely cure and remove all kinds of worms in dogs and pups. Running and barking fits, or fright disease, is caused by the toxins from hook worms. Carbon Tetrachloride with Viamin Tonic is absolutely guaranteed to cure running barking fits. Price, correct dose sealed in elastic capsules of assorted sizes, or all large capsules, \$1.10 parcel post paid.

Bennett's Milk-Bone Dog Biscuit



A superior preparation; keeps dogs in good condition. Ask for circulars.

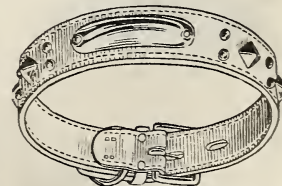
Per box, 40c; postpaid, 50c.

Puppy Biscuit

Especially prepared for puppies. They thrive and grow fat on M. B. Biscuits.

Per box, 40c; postpaid, 50c.

DOG SUPPLIES OF ALL KINDS



Dog Collars—Prices.....	75c to \$2.50
Dog Harness—Prices.....	\$1.50 to \$5.00
Dog Whips—Prices.....	35c to \$2.00
Dog Chains—Prices.....	25c to \$2.00
Dog Leashes (leather)—Prices.....	50c to \$3.00
Dog Muzzles—Prices.....	75c to \$2.00

It is best to come to store to make selections when it is convenient, if not write us.

All supplies listed on this page are delivered transportation paid in the U. S. and possessions. Order Early.



R.B. BUCHANAN SEED CO.

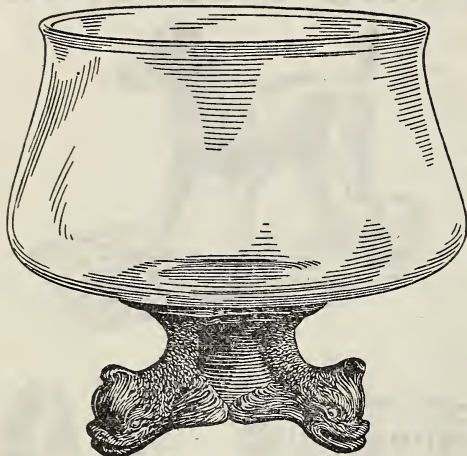


MEMPHIS, TENNESSEE.



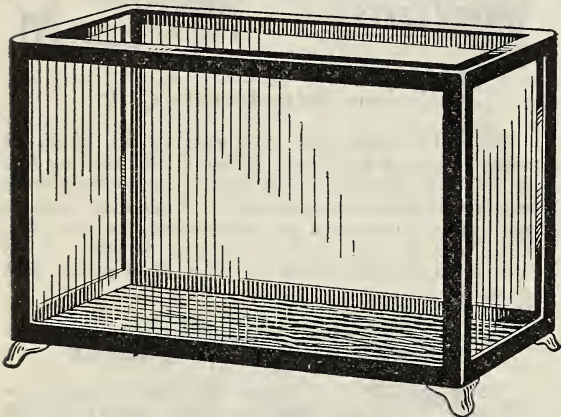
BUCK BRAND TESTED SEEDS

BUCHANAN'S GOLD FISH AND SUPPLIES



Style E Crystal Glass Bowl

Made in clear crystal glass, as pictured, with gloss black dolphin base. Capacity $2\frac{1}{2}$ gallons. Price, bowl and base.....\$3.00
In 3 colors—Amber, Blue or Green, each.....\$3.50



Style 300 Aquariums

Made with steel frames, slate bottoms, electrically welded, corners crystal glass. Finished in green.



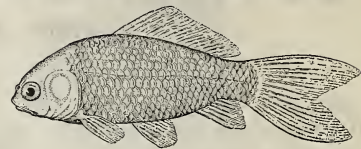
Gold Fish Bowls, Round

These prices post paid. Made of clear glass, four sizes.
2-Quart\$0.60
4-Quart85
2-Gallon 1.45
3-Gallon 2.70

Common Gold Fish

The well known bright scarlet and gold color.

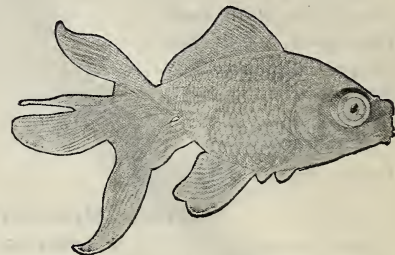
Small, each.....15c
Medium, each.....25c
Large, each.....50c
Shipping bucket, 15c extra.



Fancy Gold Fish

Japanese Fantails and
Comet Tails

Small, each.....50c
Medium, each.....75c
Large, each.....95c
Shipping bucket, 15c
extra



Hardened Gold Fish for Fishing

They're as Tough as a Pig's Nose

These are Gold Fish—not minnows. Use city water or good clear lake water, do not use cold well water in keeping them.

Prices at Store—Each, 6c; 25, \$1.50; 50, \$2.75; 100, \$5.00.

Prices on 300 Style

Aquarium (See Cut)		Size Inches	Capacity Gals.	Price
No. 300.....		10x 6x 7	1.8	\$2.30
No. 302.....		12x 7x 8	2.5	4.60
No. 303.....		14x 8x10	4.8	5.95
No. 304.....		16x10x11	7.0	6.95

Prices Post Paid

Colored Bisque Figures

Popular for aqua-
rium use. Modeled
with delicate and
artistic detail. Im-
ported.



MERMAIDS

Colored and as illustrated. Small, each, 60c; medium, each, \$1.00, post paid.

BATHING BEAUTIES

In striped suits and gaudy colorings. Each, \$1.00, post paid.

NUDE MODELS

In flesh color, posing contentedly without the worry of clothes. Our leading seller. Small, each, 50c; medium, each, 60c, post paid.

Fish Food, Moss, Etc.

Natural Fish Food, pkg.....post paid, 15c
Wafer Fish Food, pkg.....post paid, 15c
Aquarium Moss.....post paid, 25c



582 1/2

Aquarium Castles

No. 596—Red clay.....post paid, 30c
No. 595—Red Clay.....post paid, 45c
No. 576—Red Clay.....post paid, 55c
No. 320—Red Clay.....post paid, 65c
No. 594—Red Clay.....post paid, 85c

Aquarium Accessories

Prices Post Paid

White pearl chips, box.....15c
Colored pearl chips, box.....15c
Sea shells, each.....15c
Dip nets, each.....20c
Floaters (ducks, swans, etc.), each.....15c
Draining device.....95c
Feeding triangle.....20c
Glass lily bulbs.....15c
Green frogs.....75c

QUANTITY PRICES—On all seeds see yellow price list in center of book.



Buchanan's Bird Homes and Supplies

On this page we list bird cages made by Hendryx, believing them to be the best bird cages manufactured; also list only such supplies as we consider staple. There is no better bird seed sold than our Buck Brand--mixed fresh, daily.

Buchanan's Singing Canaries

We make a specialty of Native Canaries; we are able to fill orders for the choicest singers, guaranteed satisfaction. We have a special strain of Buchanan's Siefert and Neugebour Rollers. Specify which kind of bird wanted.

The song of the Native Roller is nothing but a stream of sweet music, as it consists of trained notes, such as long, hollow rolls (from which this bird is named), trills, bell and nightingale notes, etc., which are produced with such a soft, melodious voice that it is really a pleasure to listen to such a little song wonder. While the sharp, shrill voice and short notes of the Imported Canary usually tire your ear, you will never get tired listening to the beautiful notes of the Native Roller. These birds are also trained to sing at night as long as the room is light.

Roller (Closed Beak).....	Price by Express, not prepaid	\$15.00
Roller Female	Price by Express, not prepaid	5.00
Hartz Mountain (Open Beak)	Price by Express, not prepaid	10.00
Hartz Mountain Female	Price by Express, not prepaid	3.00

ALL PRICES BELOW ON THIS PAGE POST PAID

Oblong White Enameled Cage

No.		Each	Without Guard	Each	With Guard
231	Body, 9 $\frac{1}{4}$ x6 $\frac{1}{4}$ inches. Height, 15 $\frac{1}{4}$ inches.....	\$3.00		\$3.70	
232	Body, 10 $\frac{1}{2}$ x7 inches. Height, 16 inches.....	3.75		4.85	
233	Body, 11 x7 $\frac{1}{2}$ inches. Height, 16 $\frac{1}{2}$ inches.....	4.50		5.35	
234	Body, 12 $\frac{1}{4}$ x8 $\frac{1}{4}$ inches. Height, 17 $\frac{1}{2}$ inches.....	5.00		6.00	

Oblong Brass Cage

No.		Without Guard	With Guard
5004	Body, 9 $\frac{1}{4}$ x6 $\frac{1}{2}$ inches. Height, 11 $\frac{1}{4}$ inches.....	\$3.65	\$4.65
5006	Body, 10 $\frac{1}{2}$ x7 $\frac{1}{2}$ inches. Height, 12 $\frac{1}{4}$ inches.....	4.55	5.55
5008	Body, 10 $\frac{1}{2}$ x7 $\frac{1}{2}$ inches. Height, 12 $\frac{1}{2}$ inches.....	5.65	6.65
5010	Body, 13 x8 $\frac{1}{2}$ inches. Height, 14 $\frac{1}{4}$ inches.....	7.25	8.30

Cut 231 represents shape 8—Oblong Cages quoted.

8000	All Brass, Bungalow Cage	15.00	18.00
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Round Brass Cage

Spring Brass Wires, Solid Brass Rail, Spun Brass Base.
Furnished only with Brass Wire Guard.

No.		With Guard
274	Body, 10 inches diameter. Height, 16 inches.....	\$5.25
275	Body, 11 inches diameter. Height, 16 $\frac{1}{2}$ inches.....	5.75
276	Body, 11 9/16 inches diameter. Height, 18 inches.....	7.00
6020	All Brass, Round Cage.....	20.00

The Round Cages like Cut 274 can be furnished in bronze or gun metal at \$1.50 additional per cage.

Round White Enameled Cage

No.		With Guard
674	Body, 10 inches diameter. Height, 16 inches.....	\$7.50
675	Body, 11 inches diameter. Height, 16 $\frac{1}{2}$ inches.....	8.50
676	Body, 11 9/16 inches diameter. Height, 18 inches.....	9.25

Cut 274 Represents the six Cages listed above.

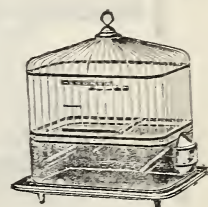
Mixed Bird Seed

It is mixed fresh by us as sold, and nothing goes into this mixture but the best, cleanest Canary Seed and Bird Rape from South America and Millet from Kansas, that can be bought. Price—1 lb., 20c; 2 lbs., 35c; 4 lbs., 65c; 10 lbs., \$1.50. Buchanan's Special Mixture for Canaries—Made from the very best mixture of Turkish Canary, Thistle, Poppy, Lettuce, Steel Cut Oats and Sweet German Rape. Especially prepared for the Roller Birds. Price—Lb., 30c.

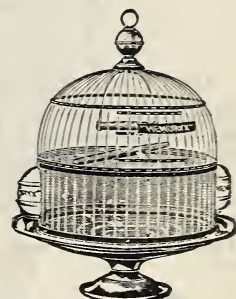
BUCK BRAND Canary Seed, plain.....	1 lb. \$.25
Hemp Seed	1 lb. .25
Millet Seed	1 lb. .20
Rape Seed	1 lb. .30
Sunflower Seed	1 lb. .25
Cuttle Fish Bone.....	each .15
Parrot Food	box .30
Song Restorer.....	box .25
Medicated Birdseed Tonic.....	.20

Miscellaneous Bird Supplies

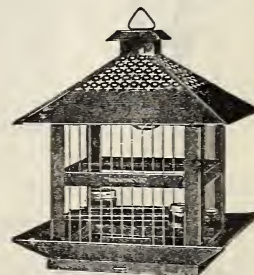
Bird Cage Seed Cups, Opal or Glass	each \$.25
Bird Cage Bath Cups.....	each .30
Bird Cage Brackets	each .45
Bird Bitters	bottle .30
Bird Mite Exterminator.....	box .30
Bird Moulting Pepper	box .30
Bird Nestling Food	box .30
Bird Nestling Hair	box .15
Bird Cage Brass Springs.....	each .25
Bird Cage Brass Chain with springs	each .35
Bird Cage Nests, Wire	each .20
Silver Gravel	pt. box .25
Red Gravel	pt. box .25



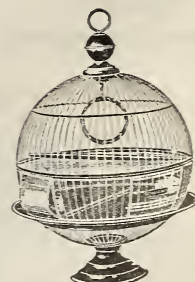
Cage 231



Cage 274



Cage 8000



Cage 6020

Send Your Seed Orders in January or February

The sooner your order arrives the better the attention we can give to it.

Buchanan's Spray Pumps

No. 665—**MAJOR DUSTER**—Handles Paris Green, Arsenate of Lead, Calcium Arsenate and similar poisons very efficiently.

Pump—Heavy tin, 2½ inches diameter, 9 inches long.

Powder Reservoir—2¼ inches diameter, 5 inches long. Fitted with air valve to keep powder from entering pump.

Discharge equipment—Heavy tin; 12 inch extension enables operator to reach low lying plants without bending. Furnished with 2 tips, one an angle tip for ordinary purposes, dusting the under sides of leaves, plants, etc., the other a broad angle tip for use where larger areas are to be covered, and where consequently a larger and wider cloud of dust is needed.

No. 665—Major Duster, post paid, \$1.40; at store, \$1.25.

No. 663—Cadet Duster, a smaller size, post paid, 60c; at store, 50c.

No. 202—**MIDGET**—Pump. Heavy tin, 1¼ inches diameter, 10 inches long; Hudson plunger leather and heavy rod. Tank. Heavy tin, 3 inches diameter, 3 inches long; capacity about ¾ pint. Lock-seamed and thoroughly leakproof. Length over all, 14 inches. Each sprayer individually air tested. Price, post paid, 45c; at store, 30c.

No. 452—**MISTY**—Is a universal favorite for use in and around the house, yard, garden, chicken house, etc. Pump is made of heavy tin. Tank is either heavy tin or brass sheet as ordered. The point of the pump passes through the tank and is securely soldered. Syphon tube is set at proper angle by a jig and carefully soldered. Construction combines strength, simplicity, neatness and uniform efficiency in operation. Heavy plunger rod and good leather. Capacity—One Quart.

No. 452—Misty Sprayer, heavy tin, post paid, 60c; at store, 45c.

No. 452B—Misty Sprayer, brass tank, brass pump, post paid, \$1.05; at store, 90c.

No. 426—**CONTINUOUS**—Handles very efficiently fly oils, insecticides, disinfectants, and all other solutions which are free from sediment. Used on rose bushes and flowering shrubs, against flies roaches, bed bugs, and other insects. It delivers a finely divided atomized mist continuously. Very rigid construction with pump recessed into top of tank and securely soldered. All working parts are brass, with syphon tube and check valve readily accessible. Made of heavy tin or brass. Capacity one quart. Lockseamed and soldered throughout.

No. 426—Continuous, heavy tin, post paid, 90c; at store, 75c.

No. 426B—Continuous, all brass, post paid, \$1.30; at store, \$1.15.

No. 4—**BARREL PUMP**—Is powerful, light and durable and will maintain a continuous working pressure of 200 pounds. Has ample capacity for two lines of hose if desired. Because of its high pressure, it is particularly adapted for use in small orchards, vineyards, truck gardens, on shade trees, shrubbery, in poultry houses, cattle barns and stockyards. Handles whitewash, cold-water paints, disinfectants, insecticides, etc., in a very efficient manner.

Cylinder is seamless brass. Valves are bronze balls, mounted in brass cage. Agitator is all metal, dasher type. Furnished with attachment for mounting on chime of barrel. Fittings for mounting on head or side of barrel supplied at small additional cost.

No. 4—Pump, no discharge equipment. Shipping weight 30 pounds. Post paid, \$10.50; at store, \$9.75.

No. 4A—Pump with 6-ft. ¾-in. 5-ply spray hose and 4-ft. extension rod, total 10 ft., and angle Ideal Nozzle. Shipping weight, 33 pounds. Post paid, \$14.50; at store, \$13.75.

Standard Sprayer

120H—A general purpose sprayer, suitable for every spraying need. Made entirely of brass, with two solid brass ball valves. Sprays orchards, large or small; potatoes or truck crops. Sprays whitewash, any cattle, dip or disinfectants. Price Sprayer at store or by express not prepaid, \$5.00; post paid, \$5.25.

No. 36—**SUNSHINE**—The Hudson Sunshine Sprayer fits the needs of the florist or nursery man, because its width permits its use between the narrow rows. It is also adapted for orchards, vineyards and truck gardens, for whitewashing poultry houses and dairy barns; spraying stock dips, treating ornamental shrubbery, flowers, etc. Its continuous high pressure and easy portability adapt it for work of all kinds. Its two wheeled construction enables it to be used on hillsides or on uneven ground without danger of tipping.

Pump is fitted with dasher type agitator driven by each stroke of the plunger. Valves are bronze balls mounted in a brass cage, accessible without dismantling the pump. Cylinder is seamless brass. Air chamber has ample capacity for high pressure and steady discharge. Tank is heavy gauge copper bearing galvanized steel; capacity 12½ gallons. Discharge equipment consists of 5 feet of ¾-in. 5-ply spray hose, 2 foot iron pipe extension and angle spray nozzle.

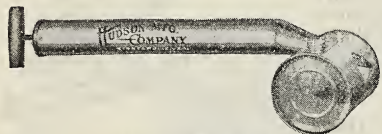
Standard Package—One in a crate. Shipping weight, 43 pounds. \$15.60.



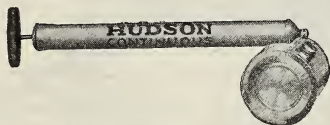
665—Hudson Major Duster



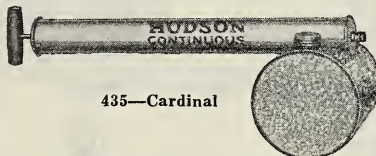
663—Cadet Duster



452—Hudson Misty



426—Hudson Continuous

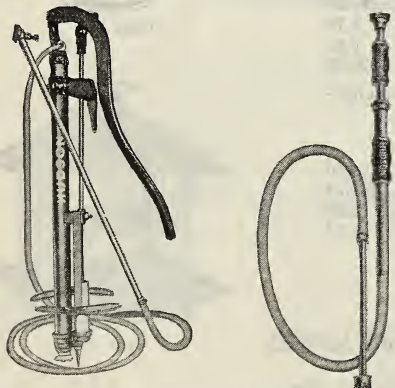


435—Cardinal

435—HUDSON CARDINAL SPRAYER

This is the best all purpose handy continuous sprayer for use in the household, barn, dairy and poultry house that we know. Pump heavy tin, 15 inches long. Tank galvanized steel, 5½ inches diameter. Capacity 3 qts. Nozzle all brass.

Price, post paid, each, \$1.75; not prepaid, \$1.50.



Hudson 4A Barrel Pump

120H—Standard Sprayer



36—Sunshine Wheelbarrow Sprayer



HUDSON JUNIOR SPRAYER

It is particularly adapted for the backyard garden or small truck farm, for use around the chicken house, in the dairy barn, hog pen, for disinfectants in the home.

Tank—6½ inches diameter, 17 inches long; capacity about 2½ gallons. Made of first quality brass, or copper bearing galvanized sheets. Brass is recommended for use with corrosive solutions because it resists their action better.

Pump—1¾ inches diameter, 15 inches long; seamless brass tubing. Fastens into the tank by means of a brass cap screwing onto the brass tank collar. Easily removed.

Discharge Hose—Attaches to the supply tube which extends to the bottom of the tank and allows all the liquid to be discharged. Tube curves to fit the natural bend of the hose, eliminating the need of a supporting wire spring.

Nozzle—Our "Perfection" automatic shut-off nozzle, which will handle all solutions perfectly. Operates positively under all pressures. Fitted with ¼-inch pipe thread so that an extension rod can be used with it.

No. 140G—Junior, galvanized tank. Price, post paid, \$5.25; at store, \$5.00.

No. 140B—Junior, brass tank. Price, each, post paid, \$7.75; at store, \$7.50.

122—Modoc—A very serviceable bucket pump, made of best materials. (See cut.) Each, post paid, \$4.40; at store, \$4.20.



140G—Junior

122—Modoc

HUDSON PERFECTION SPRAYER

It is very practical for use around the orchard, barn, or outhouse; on truck farms; in onion, melon and small potato fields; for removing old wall paper, spraying stock, dip, etc.

Tank—7½ inches diameter, 20 inches high; capacity approximately 4 gallons. All seams are riveted and soldered. Tested under actual working conditions before it leaves the factory. Made of first quality copper-bearing galvanized or brass sheets.

Discharge Hose—Attaches directly to the discharge tube which extends to the bottom of the tank. This tube is curved to fit the natural bend of the hose and eliminates the need of the supporting spring so commonly used.

Nozzle—Is especially designed for high pressure work. It is automatic in action and operates perfectly under all pressures. Fitted with standard ¼-inch pipe threads so an extension rod can be used with it.

Pump—Seamless brass tubing, 1¾ inches diameter, 15 inches long. Ample capacity to develop the pressure for which the Perfection is noted. The design of our pump top is individual, combining simplicity, convenience, strength and service. May be removed from the tank with ease.

No. 110G—Perfection, galvanized tank. Price, each, post paid, \$6.75; at store, \$6.50.

No. 110B—Perfection, brass tank. Price, each, post paid, \$9.25; at store, \$9.00.

No. 172B—Extension Rod, 2 foot brass, fits either Junior or Perfection Sprayer. Price, each, post paid, 75c; at store, 60c.

No. 32 IDEAL PORTABLE SPRAYER—Equipment, tank 12 gallons, portable, attached to an iron wheelbarrow frame with wheel; 10 feet ¾-inch pressure hose; 4 feet pipe extension; 1 T shut-off cock; 1 nozzle. Weight, 65 lbs. Price, \$23.25.

No. 33 IDEAL—Different from No. 32 in that it is equipped with a reserve air pressure gauge and tank. Once the desired pressure has been reached this reserve air chamber enables the operator to maintain an even, high pressure.

No. 33 Ideal Sprayer, galvanized supply tank. Price, \$35.75.

Hudson Bamboo Spray Poles are brass lined. This lining is in one piece, locked to the poles at both ends. Will not turn inside the bamboo, because of the special end castings. Fitted with adjustable brass drip shield and stop cock. Recommended for all work where an extension rod longer than 4 feet is required.

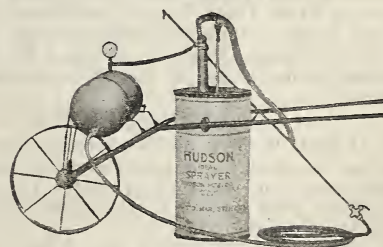
No. 42 Spray Pole, 8 foot, with stop cock. Price, each, \$3.60.

Hudson Spray Hose is made especially for spraying purposes. The inner liner is of special composition not affected by the chemical action of the various spray solutions. Ordinary garden or lawn hose will not serve, because it corrodes and deteriorates rapidly. Hudson Spray Hose is furnished in ¾-inch in any length up to 50 feet.

Price, per foot, 16c, not prepaid.



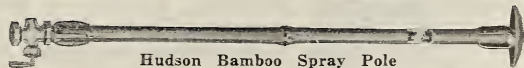
110G—Perfection



No. 33 Ideal Sprayer

SPRAYER PARTS

It would require about 7 pages of this catalogue to give prices and show cuts of all the parts for the sprayers listed on these two pages, and as we do not have the room to spare, we ask you to send the worn or broken part you wish and we will send the part to match by C. O. D. Parcel Post. Do not send money—the cost will be small.



Hudson Bamboo Spray Pole





R.B. BUCHANAN SEED CO. MEMPHIS, TENNESSEE.



BUCK BRAND TESTED SEEDS

Buchanan's Dependable Insecticides

Order Early. Fruit trees should be sprayed late in winter or very early in spring. Have the material on hand and do the work at the right time. You can raise good fruit by a systematic spraying.

Try spraying this spring. You will be well repaid for your expense and trouble. Directions for applying the different preparations are printed on the packages. Prices are F. O. B. Memphis, purchaser paying carrying charges, unless stated otherwise. All prices are subject to change.

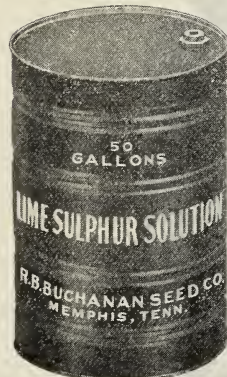
POISONOUS INSECTICIDES AND LIQUIDS OF ANY KIND ARE NOT PERMITTED IN THE MAILS. GROWER'S GUIDE OR SPRAYING TABLE, SHOWING HOW AND WHEN TO SPRAY, SEE PAGE 101.



BUCHANAN'S OIL EMULSION

OIL EMULSION—For a dormant spray Oil Emulsion provides the cheapest, most effective and complete control of scale insects, aphids and thrips that winter over on trees. For scale control on all fruit trees, shrubs and shade trees use one gallon Oil Emulsion to twenty gallons water, or 2½ gallons to 47½ gallons water for a 50 gallon mixture. To control peach leaf curl thoroughly dissolve 3 lbs. Bluestone or 8 lbs. Bordeaux and add to each 50 gallons of water before pouring in the correct amount of Oil. If your water is extremely hard 4 lbs. Bordeaux added to each 50 gallons of water in the same way as for peach leaf curl will prevent the Oil from curdling. To get best results every part of the tree must be completely covered. Spray in fall after leaves and fruit are off or in spring before buds swell. Do not use when the temperature is below 40 degrees.

Price—½ gal., 50c; gal., 75c; 5 gals., \$3.00; 10 gals., \$5.75; 15 gals., \$7.25; 25 gals., \$10.50; 50 gal. bbl., \$16.00. Cannot be mailed.



BUCHANAN'S LIME SULPHUR SOLUTION

LIME SULPHUR SOLUTION—Is an insecticide as well as a fungicide, free from sediment and works through the nozzle easily. Used as an insecticide to control San Jose Scale, Blister Mite and similar sucking or scale insects, at a dilution of 1 gallon to 8 gallons of water and applied either after the leaves drop in the fall or before the buds open in the spring. For small quantities use 1 pint Lime Sulphur Solution to 1 gallon of water. Never use at this strength when trees are in foliage. The spring application, just before the buds swell, will assist in controlling Leaf Blister Mite, Plant Lice and Peach Leaf Curl and is advisable in orchards when the scale is already under control. To control Scab, Leaf Spot and similar fungous diseases on apples and pears, use 1 gallon to 50 gallons of water. For small quantities, as a summer spray, use 2 full ounces to 1 gallon of water.

Prices—Qt., 40c; ½ gal., 60c; gal., 75c; 5 gals., \$3.00; 10 gals., \$5.50; 15 gals., \$7.00; 25 gals., \$10.50; 50 gal. bbl., \$16.00. Cannot be mailed.

BORDEAUX MIXTURE

BORDEAUX MIXTURE, DRY—The perfect spray for fungous diseases of Fruit Trees, Shrubs and Flowers, especially black spot on Roses. Fungous troubles must be prevented by spraying at regular intervals. Price—1 lb., 30c; 4 lbs., 85c; 10 lbs., \$2.00; 25 lbs., \$4.50; 50 lbs., \$7.75; 100 lbs., \$14.00. Cannot be mailed.

LIME SULPHUR

LIME SULPHUR (Dry or Powdered)—Dry Lime Sulphur is the actual standard liquid material in dry powdered form and requires only the addition of water to make an effective spray. Price, post paid: 1 lb. 35c; 5 lbs. \$1.25; 12½ lbs. \$2.25; 25 lbs. \$4.00; 50 lbs. \$7.00.

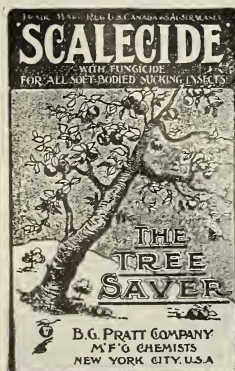
Not prepaid: 1 lb. 25c; 5 lbs. \$1.00; 12½ lbs. \$2.00; 25 lbs. \$3.50; 50 lbs. \$6.25; 100 lbs. \$12.00.

**Scalecide Makes Your Orchard Pay Better
With Less Trouble**

SCALECIDE

SCALECIDE (Miscible Oil Spray)—The most complete dormant spray for fruit trees, shrubs and vines; makes them fruitful, healthful and beautiful. Pleasant to use, non-poisonous. Kills scale, insects, eggs, larvae and disease cankers and fungous spores wintering on the plant. Mixes instantly—dilute 1 to 15.

Prices—1 qt., 75c; 1 gal., \$1.75; 5 gals., \$6.25; 10 gals., \$10.60; 15 gal. drum, \$11.50.



ARSENATE OF LEAD

DRY ARSENATE OF LEAD—Does not burn the foliage, as other poisons will, kills every insect that eats it, superior in every way to Paris Green, can be used dry as a powder or as a solution in water. Prices—1 lb., 30c; 4 lbs., \$1.00; 10 lbs., \$2.25; 25 lbs., \$5.50; 50 lbs., \$9.00; 100 lbs., \$16.50. Cannot be mailed.

SULFOCIDE

SULFOCIDE—Sulfocide is a highly concentrated non-poisonous liquid sulfur fungicide entirely distinct from lime sulfur. Within a few minutes after the spray is applied and before it is dry, Sulfocide is decomposed by the action of the air, leaving a film of extremely fine sulfur in its most active fungicidal form. It can be used on both peaches and apples and on all kinds of fruits and vegetables. Price—1 pt., 70c; 1 qt., \$1.00; 1 gal., \$2.75; 5 gals., \$8.75; 10 gals., \$15.00; 30 gals. \$39.00; 50 gals. \$60.00. Can not be mailed.

CALCIUM ARSENATE

CALCIUM ARSENATE—Recommended by all experimental stations for cotton boll weevil; also a sure remedy for army and other worms. Prices—1 lb., 25c; 4 lbs., 80c; 10 lbs., \$1.75; 25 lbs., \$3.75; 50 lbs., \$6.00; 100 lbs., \$8.75. Can not be mailed.

SUMMER PEACH SPRAY

SUMMER PEACH SPRAY—A summer spray on peaches and plums, for use in place of self or home boiled Lime Sulphur, for the control of brown rot, scab, and leaf spot.

Mix 1 lb. with each 5 gallons water. Add 3 teaspoonsful arsenate of lead to each gallon of spray mixture. First application when two-thirds of blossoms have fallen. Second application two weeks after with same mixture. Third application two weeks after second with same mixture. Last spraying just before peaches ripen but do not use any arsenate of lead. Price, post paid—1 lb., 30c; 5 lbs., \$1.15; 10 lbs., \$1.90; 25 lbs., \$3.25; 50 lbs., \$5.00. Not prepaid—1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.75; 25 lbs., \$2.25; 50 lbs., \$4.00; 100 lbs., \$7.50.



VOLCK—THE SCIENTIFIC INSECTICIDE



VOLCK—For the garden, greenhouse, florist and nurseryman. It successfully controls scale, mealy bug, white fly, red spider, and mites, aphids, caterpillars and many other insect pests. The wide range of pests for control of which **VOLCK** is now being used is constantly enlarging. Rose mildew is prevented by spraying with **VOLCK**. Full directions on each can. Price, post paid— $\frac{1}{2}$ pt., 55c; pt., 80c; qt., \$1.10; 1 gal., \$3.20. At store— $\frac{1}{2}$ pt., 50c; pt., 75c; qt., \$1.00; 1 gal., \$3.00; 5 gals., \$12.00.

DERRISOL—A CONTACT INSECTICIDE

DERRISOL is a non-poisonous, odorless solution which growers will find exceptionally efficient for the control of aphids, plant lice, black flies, green flies, leaf hoppers, thrips, red spiders, and many other soft-bodied sucking insects, as well as some small leaf-eating larvae, such as cabbage worms and saw fly larvae. Price, post paid—Oz. bottle 40c; $\frac{1}{2}$ lb. bottle \$1.35; lb. \$2.20; 2 lbs. \$3.25; 10 lbs. \$12.30. Not prepaid—Oz. bottle 35c; $\frac{1}{2}$ lb. bottle \$1.20; lb. \$2.00; 2 lbs. \$3.00; 10 lbs. \$12.00.

SODIUM FLUOSILICATE

SODIUM FLUOSILICATE is a light powder, slightly poison to humans, but very poisonous to certain insects. It is a contact as well as a stomach poison, that will control cucumber beetle, potato beetle, cabbage worm, flea beetle and Mexican bean beetle. Many of these cannot be controlled with anything else. In dusting on vine plants, as cucumbers, squash, melons, etc., put very lightly on the plants but reasonably heavy on ground beneath the leaves and along the runners. For bean beetle it should be applied freely with a dust gun on the tops and between the leaves. It is better to dust the plants when dry. Applied in the same manner as other insect powders it will control chicken lice and roaches.

Price, post paid: 1 lb., 30c; 5 lbs., \$1.00; 10 lbs., \$1.90; 25 lbs., \$4.25; 50 lbs., \$6.50. Not prepaid: 1 lb., 25c; 5 lbs., 90c; 10 lbs., \$1.60; 25 lbs., \$3.75; 50 lbs., \$5.50; 100 lbs., \$10.00.

FISH OIL SOAP

FISH OIL SOAP—A (fish oil) soap effective in destroying many sucking insects and lice on plants, trees, ferns, etc. Also used extensively with cylinder oils in making oil emulsions to reduce the surface tension. Price, post paid—1 lb., 45c; 5 lbs., \$1.60; 10 lbs., \$2.75. Not prepaid—1 lb., 35c; 5 lbs., \$1.50; 10 lbs., \$2.50.

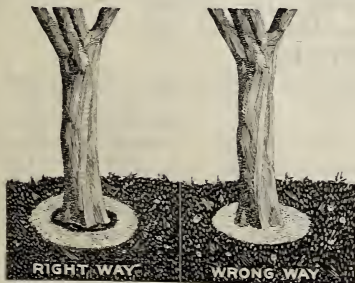
TREE TANGLEFOOT

TREE TANGLEFOOT—A paste preparation for painting around the trunks of trees, in the form of a band. Caterpillars and other crawling pests can not get over it. Price, post paid—1 lb., 70c; 5 lbs., \$2.65; 10 lbs., \$4.50. Not prepaid—1 lb., 60c; 5 lbs., \$2.50; 10 lbs., \$4.25.

GRAFTING WAX

By mail, post paid— $\frac{1}{2}$ lb., 35c; 1 lb., 60c. Not prepaid, $\frac{1}{2}$ lb., 30c; 1 lb., 50c.

BUCHANAN'S PARADICHLOROBENZENE KILLS THE PEACH TREE BORER



Applying Paradichlorobenzene.
For best results, read directions.

PARADICHLOROBENZENE—Kills peach tree borer. In the Upper South, September 15 to October 5 is the right time to apply; Middle South, October 1 to 15; and Lower South, October 10 to November 15. Can also be used in Spring.

Level the ground around the base of the tree by scraping off grass, weeds, etc., to a distance of about two feet. The gummy substance and soil sticking to the tree should be scraped off. Remove only an inch or two of the loose soil on top. Then smooth with back of shovel. (See cut.) Scatter in a band around the tree about two inches wide. The inner part of this circle should be from $\frac{1}{2}$ to 2 inches from the main trunk of the tree. Measure carefully so as to use the proper amount. Cover with soil. Don't stand back and throw the soil, but stand up close to the tree and put it directly on top of the paradichlorobenzene. Make a cone-shaped mound. Cover not less than three to six inches deep. Pack with back of shovel. Need not pack very tightly, but firm carefully.

For trees that have grown three years, use three-fourths of an ounce as a dose. Use only one-fourth ounce on trees that have grown two years. For trees four years of age and older, use one ounce. For abnormally large ones, use $\frac{1}{4}$ ounces. Price, post paid—1 lb., 60c; 5 lbs., \$2.40; 10 lbs., \$3.75; 25 lbs., \$7.50; 50 lbs., \$14.00. Price, at store or not prepaid—1 lb., 50c; 5 lbs., \$2.00; 10 lbs., \$3.50; 25 lbs., \$6.75; 50 lbs., \$13.00; 100 lb. drum, \$23.50.

BUG DEATH CONTAINS NO POISON

BUG DEATH—A new powder that effectually takes the place of Paris Green and other dangerous and poisonous insecticides. Absolutely safe to use, as it contains no poison whatever. Send for circulars. Price—Post paid, 1 lb., 25c; 3 lbs., 60c; 5 lbs., 85c; 12 $\frac{1}{2}$ lbs., \$1.70. Not prepaid, 1 lb., 20c; 3 lbs., 45c; 5 lbs., 65c; 12 $\frac{1}{2}$ lbs., \$1.35; 100-lb. keg, \$7.50.



Pat. Mar. 16 & Nov. 9, 1897

SLUG SHOT DESTROYS MANY INSECTS

SLUG SHOT (Hammond's)—A non-poisonous powder insecticide; it requires no mixing or preparation, easily applied and not injurious to person applying it, or fruits and vegetables. Destroys potato bugs, beetles, green flies, slugs, worms, etc. Price—Post paid, 1 lb., 25c; 5 lbs., 75c; 10 lbs., \$1.40. Not prepaid, 1 lb., 20c; 5 lbs., 60c; 10 lbs., \$1.15; 25 lbs., \$2.75; 125-lb. keg, \$13.00.

CASEIN SPREADER

CASEIN SPREADER—(The Casein spreader and adhesive.)—Makes the spray spread, makes it stick and makes it cover a greater surface. Most sprays collect in drops that frequently drop off and only the surface under the drop is protected. Casein spreader greatly increases the spreading and wetting properties of the spray, spreads it evenly over the entire surface of bark, fruit and leaves and makes the spray stick persistently regardless of rains. It can be used with Bordeaux Mixture, Arsenate of Lead, Paris Green, Black Leaf 40, Lime Sulphur and oil sprays and with combinations of these sprays. It reduces the injury caused by soluble arsenic in all arsenical sprays. Use two heaping tablespoonfuls for each 5 gallons of spray, or 1 lb. for each 50 gallons. Price, post paid— $\frac{1}{2}$ lb., 25c; 1 lb., 40c; 2 lbs., 75c; 5 lbs., \$1.65; 10 lbs., \$2.75. Not prepaid— $\frac{1}{2}$ lb., 20c; 1 lb., 30c; 2 lbs., 50c; 5 lbs., \$1.35; 10 lbs., \$2.25; 25 lbs., \$5.00; 50 lbs., \$9.50; 100 lbs., \$17.50.

SUPERFINE SULPHUR

SUPERFINE SULPHUR—For dusting Cotton Hoppers, Red Spider, Mildew on Roses and for use with lime in making self-boiled lime sulphur solution. Price, post paid—1 lb., 20c; 5 lbs., 60c; 10 lbs., \$1.10; 25 lbs., \$2.25; 50 lbs., \$3.75. Not prepaid—1 lb., 10c; 5 lbs., 40c; 10 lbs., 75c; 25 lbs., \$1.75; 50 lbs., \$2.75; 100 lbs., \$4.00.

HYDRATED LIME

HYDRATED LIME—For mixing with sulphur in making home boiled lime sulphur solution, also used in flower beds and on lawns for sweetening the soil. Price, post paid—1 lb., 15c; 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$2.00. Not prepaid—1 lb., 10c; 5 lbs., 25c; 10 lbs., 35c; 25 lbs., \$1.00.

COPPER SULPHATE

COPPER SULPHATE (BLUE STONE OR BLUE VITRIOL)—Used for early spraying and in making Bordeaux Mixture and copper solution. Will keep indefinitely. Special prices quoted on large quantities. Not prepaid—1 lb., 20c; 5 lbs., 65c; 10 lbs., \$1.25; 25 lbs., \$3.00; 50 lbs., \$6.00; 100 lbs., \$11.50. Not available.



R.B. BUCHANAN SEED CO.

MEMPHIS, TENNESSEE.



BUCK BRAND TESTED SEEDS



1. Place **HOTKAP** in Setter.



2. Place Setter Over Seed or Plant.



**Less Work
more meat to eat!**

Forget you ever had a smokehouse. Use Figaro Salt—an amazing new and simple way to home-cure and smoke meat. Used just like ordinary meat salt.

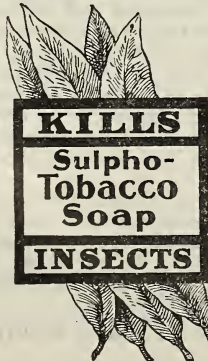
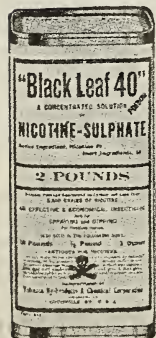
Every pound of meat is rich with juiciness, deliciously sugar-cured and perfectly smoke-flavored. Less work to do. More meat to eat for none of the precious fats and juices are lost. Comes in ten pound cans—ready for use. One can sugar-cures and smokes 100 pounds of the finest meat you ever ate.

Price at store—10 lb. can, \$1.00; post paid, \$1.25.

Not prepaid—1 case containing 6 10-lb. cans, \$5.25.



**K-R-O Kills Rats
Without Danger**



HOTKAPS

NEW METHOD OF PLANT PROTECTION

Get early vegetables and flowers for high prices! Germaco Hotkaps are of special waxed paper, 11 inches wide at the base. Placed over young plants and held by $\frac{1}{4}$ to $\frac{1}{2}$ inch of soil on flared rim, Hotkaps become miniature hothouses. They protect from frost, wind, rain, insects and soil crusting. Man sets 3,000 a day. Price—Roll (1,000 Hotkaps), \$11.50. 5,000 at \$11.00 per thousand. Write for large quantity prices.

Hotkap Setters, for quantity setting, \$2.50 each.

DRITOMIC SULPHUR PREVENTS FUNGOUS TROUBLES

DRITOMIC SULPHUR—It is easily mixed and can be used with Arsenate of Lead with a small amount of Lime added. Dritomic Sulphur will prevent all fungous troubles, bitter, brown rot, scab, etc. It is suitable for both peaches and apples. Full directions on each package. Price, post paid—4 lbs., \$1.10; 8 lbs., \$1.75; 24 lbs., \$4.75; 48 lbs., \$8.00. At store—4 lbs., \$1.00; 8 lbs., \$1.50; 24 lbs., \$4.00; 48 lbs., \$7.20; 96 lbs., \$14.00.

O. K. POULTRY LITTER, The Sanitary Scratch For Chicks

O. K. POULTRY LITTER—A perfect scratching material for baby chicks. A deodorizer, absorbent disinfectant and labor-saving litter. It absorbs all the moisture from droppings. Price—10 lbs., \$1.30, post paid. At store, \$1.00. Per bale of about 140 lbs., \$4.75, f. o. b. Memphis.

PYROX, THE COMBINED POISON AND FUNGICIDE

PYROX—It is a heavy, yet flocculent, creamy paste that is easily mixed with cold water, and sticks like paint to the foliage. It won't wash off, and won't clog the finest nozzles. PYROX kills leaf-eating insects, bugs and worms. It prevents blight, rot and fungous. No better spray material for potatoes, tomatoes, cucumbers, peppers, egg-plants, beans, cauliflower, etc., than Pyrox.

Prices—Lb., 50c; 5 lbs., \$1.75; 10 lbs., \$3.00; 25 lbs., \$6.25; 50 lbs., \$10.75; 100 lbs., \$15.50. Cannot be mailed.



K. R. O. KILLS RATS AND MICE

K-R-O is relatively harmless to human beings, livestock, pets, poultry, yet it is guaranteed to kill rats and mice every time. Many letters testify to the great merit of K-R-O. Get a can now. It's easy to use, works quickly, safely and surely. Satisfaction guaranteed. Small size, post paid, 85c; at store, 75c. Large size, post paid, \$2.10; at store, \$2.00.

SULPHO-TOBACCO SOAP FOR PLANTS AND ANIMALS

SULPHO-TOBACCO SOAP—Nicotine, Sulphur and Soap—three well-known insecticides—are all combined in this soap. Much more effective than a simple Nicotine spray against Black and Green Aphids, Mealy Bug, Red Spider, and many other sucking insects. Simple directions with each cake. 3-ounce cake makes $1\frac{1}{2}$ gallons of solution; 8-ounce cake makes 4 gallons of solution. Price, post paid—3 oz. cake, 20c; 8 oz. cake, 35c. At store—3 oz. 15c; 8 oz., 30c.

BLACKLEAF 40 KILLS PLANT LICE

BLACKLEAF 40—A nicotine solution for destroying aphids, lice, etc., on both garden and flowering plants. A teaspoonful makes 1 qt. of solution. This is one of the most effective preparations for general sucking insects. Oz. bots., 35c; $\frac{1}{2}$ -lb. \$1.25; 2-lb. tin, \$3.25; 10-lb. tin, \$11.85. Can't be mailed.

BLACKLEAF 40 IN A DUST FORM

BLACKLEAF 40 TOBACCO DUST—Sure death to all plant lice and aphids, for best results dust on when foliage is damp. Our tobacco dust is of extra fine quality, very strong in nicotine content. Price, post paid—1 lb., 20c; 5 lbs., 65c; 10 lbs., \$1.15; 25 lbs., \$2.25; 50 lbs., \$4.00. At store—1 lb., 15c; 5 lbs., 50c; 10 lbs., 90c; 25 lbs., \$1.75; 50 lbs., \$3.00; 100 lbs., \$5.50.

PRUNING SHEARS

Polished and tempered crystal steel blade riveted to handle. Should last for years.

Post Paid At Store

No. 26-S.	Black Jap. handles, flat or coil spring, 9 in.....	\$0.65	\$0.50
No. 23-S.	Cal. Pattern, volute spring, ratchet nut, 9 in.....	1.50	1.25
No. 23.	Cal. Pattern, flat spring, ratchet nut, 10 in.....	1.60	1.35

LOPPING SHEARS

No. 27-S.	Light weight but strong enough for heavy work; blade and hook are of hardened and tempered steel, 28 in.....	2.25	2.00
No. 25-S.	Draw Cut, a heavier shear, 28 in.....	3.25	3.00

PRUNING SAWS

No. 20.	California Pattern, crescent shaped, special steel blade, hardwood handle riveted to steel blade, 12 in.....	1.40	1.25
No. 50.	Same as above except heavier, 14 in.....	1.65	1.50

Buchanan's Spraying Guide tells time to spray, and how to make solutions.

See page 101.

BUCHANAN'S FRUIT GROWERS SPRAYING GUIDE

CROP	INSECTS AND DISEASES	MATERIALS	DILUTIONS		TIME TO SPRAY
			One Gallon of Water	Fifty Gallons of Water	
APPLE	Scale Insects, San Jose, Oyster Shell and Blister Mite, Red Mite	Lime Sulphur Solution Oil Emulsion or Dry Lime Sulphur	1 pint ¼ pint 18 to 20 teaspoonfuls	5 to 7 gallons 1½ gallons 12 to 15 pounds	While the trees are dormant, either in spring or fall. Delayed dormant spray applied in spring when buds are showing silvery.
	Codling Moth, Curculio, Bud-Moth, Scab, Frog-Eye and Blotch	Lime Sulphur Solution or Dry Lime Sulphur and Arsenate of Lead	1-5 of a pint 5 to 6 teaspoonfuls 3 to 8 teaspoonfuls	1½ to 1¾ gallons 3 to 4 pounds 1 to 1½ pounds	1. When buds show pink. (Important scab spray.) 2. When petals fall. (Calyx spray.) 3. Ten days to two weeks later. (Blotch.) 4. Four weeks after petals fall. (Blotch.)
	Later Codling Moth Broods Blotch	Arsenate of Lead Bordeaux	3 to 8 teaspoonfuls 12 to 16 teaspoonfuls	1 to 1½ pounds 8 pounds	Eight to ten weeks after petals fall and as often as necessary to keep fruit covered with Arsenate of Lead, and a fungicide where bitter rot is present.
	Aphids (Plant Lice)	Sulphate of Nicotine, 40%	1 teaspoonful	¾ pint	Combine with other sprays and apply when Aphids appear. Usually in delayed dormant sprays. Complete coverage is necessary.
PEAR	Scale Insects and Blister Mites	Lime Sulphur Solution Oil Emulsion or Dry Lime Sulphur	1 pint ¼ pint 18 to 20 teaspoonfuls	5 to 7 gallons 1½ gallons 12 to 15 pounds	Dormant or delayed dormant. When the buds begin to swell.
	Psylla, Slugs, Scab and Codling Moth	Bordeaux Mixture or Dry Lime Sulphur or Lime Sulphur Solution Arsenate of Lead Sulphate of Nicotine	12 to 16 teaspoonfuls 5 to 6 teaspoonfuls 1-5 pint 3 to 8 teaspoonfuls 1 teaspoonful	6 to 8 pounds 3 to 4 pounds 1½ to 1¾ gallons 1 to 1½ pounds ¾ pint	1. Cluster or pink stage. 2. Calyx or petal fall. 3. Two weeks after petal fall.
PEACH	Scale, Insects and Leaf Curl	Lime Sulphur Solution Oil Emulsion or Dry Lime Sulphur	1 pint ¼ pint 18 to 20 teaspoonfuls	5 to 7 gallons 1½ gallons 12 to 15 pounds	In the fall or in the spring before the buds swell. Very essential for the control of leaf curl.
	Curculio	Arsenate of Lead	3 to 8 teaspoonfuls	1 to 1½ pounds	Combine with summer peach spray when Curculio is present.
	Scab and Brown Rot, and to prevent Rot developing after Fruit is picked	Summer Peach Spray, a specially prepared Mixture replacing self-boiled Lime Sulphur	12 to 20 teaspoonfuls	8 to 10 pounds	1. When most of shucks are off. 2. Two weeks after shucks dropped. 3. Four weeks before picking. If necessary. 4. Week to ten days before picking. Very important.
	Borers	Paradichlorbenzene	1 to 2 ounces in a circle away from trunk of tree	evenly distributed 2 inches	1. In the spring. 2. In the fall.
PLUM	Scale Insects	Lime Sulphur Solution Oil Emulsion or Dry Lime Sulphur	1 pint ¼ pint 18 to 20 teaspoonfuls	5 to 7 gallons 1½ gallons 12 to 15 pounds	Apply just before growth begins. If scale is not prevalent this application can be omitted.
	Curculio	Arsenate of Lead	3 to 8 teaspoonfuls	1 to 1½ pounds	After petals fall and whenever pest is serious.
	Leaf Spot, Brown Rot	Summer Peach Spray	12 to 20 teaspoonfuls	8 to 10 pounds	1. Petal fall. 2. Ten days to 2 weeks after petal fall. 3. About a month before harvest.
CHERRY (Sour)	Scale Insects	Lime Sulphur Solution Oil Emulsion or Dry Lime Sulphur	1 pint ¼ pint 18 to 20 teaspoonfuls	5 to 7 gallons 1½ gallons 12 to 15 pounds	Apply just before growth begins. If scale is not prevalent this application may be omitted.
	Leaf Spot, Curculio, Brown Rot, Slugs	Lime Sulphur Solution or Dry Lime Sulphur Arsenate of Lead	1-5 pint 5 to 6 teaspoonfuls 3 to 8 teaspoonfuls	1 to 1½ gallons 3 to 4 pounds 1 to 1½ pounds	1. Just before blooming. 2. Petal fall. 3. Ten days to two weeks after petals fall. 4. Three to four weeks after petals fall. 5. Immediately after fruit is picked.
	Cherry Fruit Fly	Arsenate of Lead	5 to 10 teaspoonfuls	1½ to 2½ pounds (sweeten with sugar or molasses)	As soon as Fruit Fly appears. It is essential to keep fruit covered with Arsenate.
CHERRY (Sweet)	Same schedule as above except Lime Sulphur should not be used stronger than 1 gallon to 50 gallons of water; Aphids are often serious so that also avoid heavy spraying because of danger of foliage injury.				Dry Lime Sulphur at rate of 2 to 4 pounds to 50 Sulphate of Nicotine is necessary in some sprays.
GRAPE	Black Rot Mildew	Bordeaux Mixture	12 to 16 teaspoonfuls	6 to 8 pounds	When shoots are 8 to 10 ins. long, just before blooming.
	Berry Moth	Arsenate of Lead	3 to 8 teaspoonfuls	2 to 3 pounds	1. After the blossoms fall. 2. Ten days to two weeks later.
	Black Rot Mildew	Bordeaux Mixture	12 to 16 teaspoonfuls	6 to 8 pounds	3. Just as berries begin to touch in the clusters.
	Rose Chafer	Arsenate of Lead	3 to 8 teaspoonfuls	2 to 3 pounds	Apply when pests are serious, mixing gallon of molasses with poison.
BUSH FRUITS RASPBERRY BLACKBERRY	Leaf Hopper	Sulphate of Nicotine or Dusting Sulphur	1 teaspoonful Cover plants with dust	½ pint Cover plants with dust	Apply when first nymphs of the Leaf Hopper acquire wings.
	Scale, Cane Blight, Leaf Spot	Lime Sulphur Solution Oil Emulsion or Dry Lime Sulphur	1 pint ¼ pint 13 to 20 teaspoonfuls	5 to 7 gallons 1½ gallons 12 to 15 pounds	In the spring, before the growth begins. Delayed dormant, just before leaves come out.
BEANS	Anthracoese	Lime Sulphur Solution or Dry Lime Sulphur	1 pint 13 to 20 teaspoonfuls	5 to 7 gallons 12 to 15 pounds	
	Bean Beetle	Sodium Fluor-Silicate	Cover plants with dust	Cover plants with dust	Dust plants when beetles appear and as often as necessary thereafter.
CABBAGE and CAULIFLOWER	Anthracnose	Bordeaux Mixture	12 to 16 teaspoonfuls	6 to 8 pounds	When plants are two inches high and every ten days until pods are formed.
	Leaf Eating Insects	Arsenate of Lead and Hydrated Lime	Cover plants with dust	Cover plants with dust	Dust on plants as soon as worms appear.
CUCUMBER and MUSKMELON	Striped Beetle	Sodium Fluor Silicate	Cover plants with dust	Cover plants with dust	Dust plants as soon as they are up and keep them covered with dust.
POTATO	Potato Bug, Flea Beetle, Leaf Hopper, Blight	Arsenate of Lead Bordeaux Mixture	3 to 8 teaspoonfuls 12 to 16 teaspoonfuls	1½ to 2 pounds 6 to 8 pounds	Spray or dust plants as soon as they break through and every ten days thereafter. If bugs are not present, omit Calcium Arsenate.
TOMATO	Tomato Worm, Flea Beetle, Leaf Spot	Arsenate of Lead or Calcium Arsenate Bordeaux Mixture	3 to 8 teaspoonfuls 2 to 6 teaspoonfuls 12 to 16 teaspoonfuls	1½ to 2 pounds 1½ to 2 pounds 6 to 8 pounds	Spray or dust when plants are six inches high and every ten days thereafter.
SHRUBS SHADE TREES and FLOWERS	Scale Insects	Oil Emulsion or Lime Sulphur Solution	1 pint	1½ to 2½ gallons 5 to 7 gallons	When plants are dormant, either spring or fall. Be careful to keep lime Sulphur off of painted surfaces.
	Leaf Eating Caterpillars	Arsenate of Lead or Calcium Arsenate	3 to 8 teaspoonfuls 8 to 8 teaspoonfuls	1½ to 2 pounds 1½ to 2 pounds	Spray as soon as Caterpillars appear.



R.B. BUCHANAN SEED CO.



MEMPHIS, TENNESSEE.



BUCK BRAND TESTED SEEDS

BUCHANAN'S GARDEN FERTILIZERS

FERTILIZERS FOR LAWN AND FLOWERS

Wizard Brand Pulverized Sheep Manure

In making new lawns, pulverize the surface soil well and broadcast at the rate of 6 to 10 pounds per 100 square feet, raking well into the surface soil. Sow seed and roll.

For renovating old lawns, use 6 lbs. per 100 square feet and rake into the surface soil previous to sowing seed.

For garden planting, mix a small handful with the soil when planting each bulb and plant larger amounts for shrubs and trees.

For making potting soil, mix thoroughly one part of Sheep Manure with six parts of soil.

Liquid Manure—For house plants and window boxes—is made by mixing one pound of Sheep Manure in five gallons of water. Use twice weekly.

SHEEP MANURE is a highly concentrated, weedless, pure manure that makes all plants grow to perfection. It is not a stimulant, but is a real soil building plant food, safe and dependable for every use. It supplies the necessary plant food and humus to put new life into worn-out soils. Wizard is economical—**ONE BAG EQUALS A WHOLE WAGON LOAD OF STABLE MANURE.** Wizard has a lasting, beneficial effect on the soil. Everybody—amateur or professional—can get wonderful results with Wizard. Price, post paid—2 lbs., 25c; 5 lbs., 45c; 10 lbs., 75c. Not prepaid—2 lbs., 15c; 5 lbs., 30c; 10 lbs., 50c; 25 lbs., 90c; 50 lbs., \$1.50; 100 lbs., \$2.50; 500 lbs., \$11.25; 1,000 lbs., \$21.00; ton, \$40.00.



WIZARD SHEEP MANURE



With ARMOUR'S LAWN GROWER

ATLAS
NON-POISONOUS

WEED KILLER

Dandelions, plantain and other weeds in lawns may be quickly killed without destroying surrounding grass by applying Atlas Non-Poisonous Weed Killer with our Dandelion Gun. This slender tube device permits direct application to the crown or center of specific plant structures.

Dry Super Concentrate At Door Post paid
Small size cans.....\$0.50 \$0.65
Large size cans..... 2.00 2.25
Dandelion Gun..... 1.25 1.40



Armour's Lawn and Garden Grower

ARMOUR'S LAWN AND GARDEN GROWER—In order to best meet the needs discussed above, we have developed a properly balanced concentrated plant food mixture blended from those chemical fertilizer ingredients best suited for the growing of grass and gardens. It is free from objectionable odors and weed seeds and is easily applied. Its plant food is largely soluble in water, yet will not readily leach from the soil in excessive rains. It contains more pounds of highest grade plant food than is generally used in lawn and garden fertilizer, having at least 16 times as much plant food as ordinary farm manure. It contains 6 per cent of ammonia, 8 per cent of available phosphoric acid and 6 per cent of potash, which analysis is of the proper ratio for such use. The continued systematic use of this fertilizer will materially aid in eradicating weeds from your lawn.

Armour's Lawn and Garden Grower is put up in white cotton paper-lined bags with definite instructions for use, plainly printed on every bag. It is packed in 100-pound, 50-pound, 25-pound and 5-pound sizes. Price, post paid—5 lbs., 75c; 25 lbs., \$2.25. Not prepaid—5 lbs., 50c; 25 lbs., \$1.75; 50 lbs., \$2.75; 100 lbs., \$5.00.

Stim-U-planT

AN ALL-THE-YEAR FERTILIZER FOR GARDEN AND HOUSE PLANTS

Growers of fine flowers, shrubs and vegetables for the best markets and for exhibition, fertilize and stimulate them frequently, a little at a time. An excellent fertilizer for this purpose is Stim-U-planT, an odorless, highly concentrated plant food, in tablet form, with guaranteed chemical analysis of 11% nitrogen, 12% phosphoric acid, 15% potash.

Simply insert tablets in soil near plants, or dissolve in water at the rate of four tablets to the gallon and apply as liquid manure. Complete directions with every package.

Order Stim-U-planT tablets with your seed and plant order.

Price—Trial size, 15c; small size, 25c; 100 tablets, 75c; 1,000, \$3.50. Post paid.

FUNTROGEN

The most complete spray for mildew and black spot on roses, and other plants, that does not discolor the foliage.

Post paid—4 oz. can, 60c; ½ pt., 85c; pt., \$1.35; qt., \$2.15.

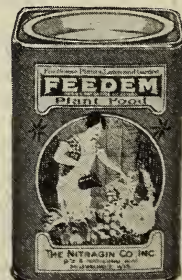
Not prepaid—4 oz. can, 50c; ½ pt., 75c; pt. \$1.25; qt., \$2.00.

FEEDEM

Feedem is a correctly balanced plant food. A wonderful tonic for potted plants, sweet peas, roses, ferns, bulbs, shrubs—all plant life.

Prices, post paid—4 oz., 40c; 8 oz., 60c.

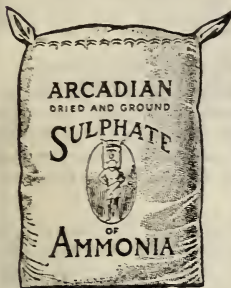
Not prepaid—4 oz., 30c; 8 oz., 50c.



BUCHANAN'S SPRAYING GUIDE tells time to spray, and how to make solutions.—See page 101.

BUCHANAN'S FIELD AND TRUCK FERTILIZERS

ARCADIAN SULPHATE OF AMMONIA



SULPHATE OF AMMONIA—Sulphate of Ammonia is guaranteed to contain 25% per cent of Ammonia, or 20% per cent of Nitrogen, furnishing as much nitrogen in 100 pounds as is contained in 134 pounds of Nitrate of Soda, 296 pounds of Cottonseed Meal, 1,000 pounds of ordinary fertilizer, or 2 tons of stable manure.

RECOMMENDATIONS

We recommend that corn be top-dressed with Arcadian Sulphate of Ammonia at the rate of 100 to 150 pounds per acre, applied early in the

growing period or when the plants are 2 to 3 feet high.

At time of planting the corn should receive 300 to 600 pounds of a mixed fertilizer of an analysis suited to the local soil conditions, a 10-3-2 or a 12-4-3 being generally effective.

On cotton apply 100 pounds per acre at the time of planting or as a top dressing early in the growth of the plant.

For fertilizing lawns use 1 pound to 20x20 or 400 square feet and be sure to wet the soil after broadcasting the Sulphate of Ammonia to prevent burning. Price post paid—2 lbs., 25c; 5 lbs., 50c; 10 lbs., 90c. Not post paid—2 lbs., 15c; 5 lbs., 40c; 10 lbs., 75c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$3.50.

BUCHANAN'S NITRATE OF SODA

The most readily available form in which nitrogen can be had. Largely used for forcing vegetables, strawberries, etc., for applying to grass fields after each cutting, producing a strong, healthy growth and wonderfully increasing the yield. Apply 150 lbs. per acre. Price, post paid—5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$2.00. Not prepaid—5 lbs., 35c; 10 lbs., 65c; 25 lbs., \$1.25; 100 lbs., \$3.50. Write for prices on large quantities.

BUCHANAN'S TRUCK FERTILIZER

Analysis: Nitrogen 3 to 4 per cent; Available Phosphoric Acid, 8 to 10 per cent; Potash, 4 per cent.

Vegetables of a leafy nature require an ample supply of nitrogen to give them that quick growth on which their quality largely depends; others, like beans and peas, demand, in addition, phosphoric acid to develop and produce their pods and seeds. Our Vegetable Fertilizer is prepared for all garden crops. Price, post paid—5 lbs., 75c; 10 lbs., \$1.25; 25 lbs., \$3.00. Not prepaid—5 lbs., 30c; 10 lbs., 50c; 25 lbs., \$1.25; 100 lbs., \$2.25. Write for prices on quantities.

BUCHANAN'S MURIATE OF POTASH

MURIATE OF POTASH—(50% available potash) necessary for cotton fertilizing; prevents rust, increases yield. Also valuable on asparagus beds, turnips, and all grains. Cheapest source of potash. Price, post paid—5 lbs., 75c; 10 lbs., \$1.10; 25 lbs., \$2.00. Price, not prepaid—100 lbs., \$3.50; 500 lbs., \$16.25.

BUCHANAN'S KAINIT

KAINIT—Adds potash to the soil. Valuable for preventing rust on cotton and increasing the yield. Also for turnips, mangels and other truck crops. Price, post paid—5 lbs., 50c; 10 lbs., 80c; 25 lbs., \$1.50. Price, not prepaid—100 lbs., \$1.75; 500 lbs., \$7.50.

BUCHANAN'S COTTON GROWER

BUCHANAN'S COTTON GROWER—Available Phosphoric Acid, 10 per cent; Nitrogen, 2.47 per cent; Potash, 3 per cent. This brand is prepared especially for grain and grass crops and contains the plant foods in proper proportions to start a vigorous growth on which the result of the crop largely depends, and sufficient to feed the crop till maturity. It is quick in its action and lasting in its results. Apply 300 to 400 lbs. to the acre when drilled with the seeds; if broadcasted, apply before seeding and harrow in seeds and fertilizer at the same time. Price, not prepaid—100 lbs., \$2.20; 500 lbs., \$10.00; 1,000 lbs., \$18.50; 2,000 lbs., \$35.00. Write for prices on large quantities.

BUCHANAN'S ACID PHOSPHATE

ACID PHOSPHATE is recommended for all Legume, Grain and Grass Crops, and for applying to all land deficient in Phosphoric Acid. Beneficial results follow the addition of it to barn-yard manure, all manure being high in ammonia, but low in phosphoric acid. Price, post paid—5 lbs., 50c; 10 lbs., 75c; 15 lbs., \$1.00. Not prepaid—5 lbs., 30c; 10 lbs., 50c; 15 lbs., 75c; 50 lbs., \$1.00; 100 lbs., \$1.50.

BUCHANAN'S STEAMED BONE MEAL

STEAMED BONE MEAL—Excellent for Roses, Ferns and all Shrubby. A first-class fertilizer for general use, giving not only immediate effects, but also lasting and beneficial results. It is steamed bone, analyzing about 20% Phosphoric Acid, an excellent fertilizer, and has given the very best results and satisfaction to our customers wherever used. While it can be used to advantage upon all crops, it is especially recommended for grain and grass and clover crops. Price, post paid—1 lb., 20c; 2 lbs., 30c; 5 lbs., 55c; 10 lbs., 90c; 25 lbs., \$2.00. Not prepaid—2 lbs., 15c; 5 lbs., 25c; 10 lbs., 50c; 25 lbs., \$1.25; 50 lbs., \$2.50; 100 lbs., \$3.50.

SEMESAN, the NEW Du Pont Mercuric Disinfectant

Prevents and controls fungous diseases, quickens seed germination, invigorates seedling growth, produces sturdier plants, increases crop yield.

SEMESAN
IS
POISON
and
Cannot Be
Mailed

Semesan is used effectively in treating seed for: Cereal Crop Diseases (smuts and leaf, stem and root diseases); Field and Forage Crop Diseases; Truck Crop Diseases (stem, root, leaf and fruit diseases); Diseases of Ornamentals.

"Brown Patch": Semesan prevents and cures "Brown Patch," a disease of grasses that destroys the turf on golf greens, grass tennis courts, parks and estates. Disinfection of grass seed with Semesan will also aid in preventing "Brown Patch."

Semesan treatment of turf already infected will control "Brown Patch," and hasten the recovery of the diseased green. Semesan is not only harmless to turf but it will actually stimulate the grass to more profuse growth.

It can be applied in either dust or liquid form.

"Damping-Off": Seedlings grown from Semesan-treated seeds are more resistant to the costly "damping-off" fungi which so severely attack both seedlings and cuttings.

SEMESAN CANNOT BE MAILED

PRICE by Express or Freight Not Prepaid

2 ounces.....	\$.50	25 pounds.....	\$ 62.50
8 ounces.....	1.60	50 pounds.....	122.50
1 pound.....	2.75	100 pounds.....	240.00
5 pounds.....	13.00	350 pounds.....	822.50

Semesan Bel for the disease treatment of Potatoes principally, but also can be used for other Tubers, Corns, Roots and Bulbs.

PRICE

1 pound tin.....	\$ 1.75	50 pound tin.....	\$ 72.50
5 pound tin.....	8.00	100 pound keg.....	140.00
25 pound tin.....	37.50		

Semesan Jr. for the dust sterilization against disease of sweet and field corn seed.

PRICE

4 oz. tin.....	\$.60	25 pound tin.....	\$ 37.50
1 pound tin.....	1.75	50 pound tin.....	72.50
5 pound tin.....	8.00	100 pound keg.....	140.00

QUANTITY PRICES—On all seeds see yellow price list in center of book.



The price is \$350.00, F. O. B. Factory. If interested, write us for more details. See the Gilkie Trailer at our store. We are Southern Distributors.

The Gilkie ^{Camp} Trailer Your Vacation Home

The Book of Books tells us that man born of woman comes into this world and his days are few and full of trouble—and I have had my share of trouble; however, I have had many pleasures mixed with my troubles during the last half century.

I made my first pilgrimage ten years ago in an Apperson Jack Rabbit car, with camping outfit, to gather some of the fresh air and sunshine of which the Creator made so much (see cut below). Since that I have driven most of the paved roads of the middle west, south and south-east. I have fixed punctures at high noon the middle of July in the Mineola Hills of Missouri and no friendly shade tree within three miles; flirted with the jack rabbits of Kansas for days, traveling at the rate of 35 miles an hour; stood in the streets of Cripple Creek, Colo., and listened to the old timers' stories of its wild days.

I have also stood in the Garden of the Gods in Colorado and gazed upon the wondrous work of the Creator; trailed up through Wyoming to Yellowstone Park and played with the young black bears; have traveled the Santa Fe Trail down the Arkansas River; crossed the Continental Divide 17 times, and camped on the Little Big Horn where Custer made his last stand. I have crossed the Mississippi River on the dam at Keokuk, Iowa; on the bridges at St. Louis and Memphis, and on the ferrys at Cairo, Ill., Helena, Ark., and New Orleans, La.

I have shot ducks, squirrels and quail in Arkansas, Mississippi and Tennessee; have fished for sea bass on the Atlantic seaboard in New Jersey; for muskys in the streams of Michigan, Wisconsin and Minnesota; admired the skill of our American engineers when viewing such wonders as the Shoshone Dam of Colorado and the Wilson Dam of Alabama. I have drank from the fountain of youth at St. Augustine, Fla., and admired that wonderful tribute to the Southern Confederacy being carved on Stone Mountain, Ga.

During these travels I have owned and used four different camping tents and have seen practically all that are made, but have never used any that compares in any way with the comfort and convenience of the Gilkie Trailer.

R. B. BUCHANAN.

Large and roomy, containing 82 square feet of space under its roof and spreading 154 inches in width, yet in a few minutes time can be folded by one person without any lifting or hard effort into a low compact outfit 60 inches wide.

On the road, the Gilkie Trailer stands 49 inches high, giving clear rear vision. It can be pulled by any make of car without causing any strain or drag, and will travel without any sideswaying just as fast as the car can go. This trailer weighs only 750 pounds and carries all the luggage, leaving the car free for its passengers.

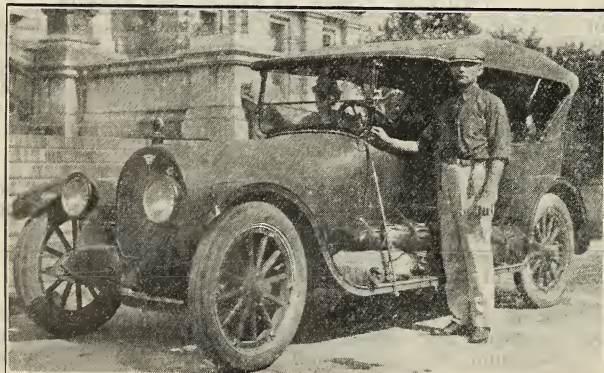
The body is of steel, mounted on a steel chassis of the latest automotive principles. The whole outside is lacquer painted. It contains two full size 54-inch house beds, 78 inches long, equipped with extra fine bed springs and 30-pound mattresses 4 inches thick.

The finest tent ducking obtainable is permanently tacked to the body under mouldings. It is neatly tailored and so heavily water-proofed that it cannot be made to leak. The tent extends underneath the beds to body. It is mosquito and vermin-proof, up off the ground, away from the dirt and dampness, and assures just as clean and comfortable a place to live as at home.

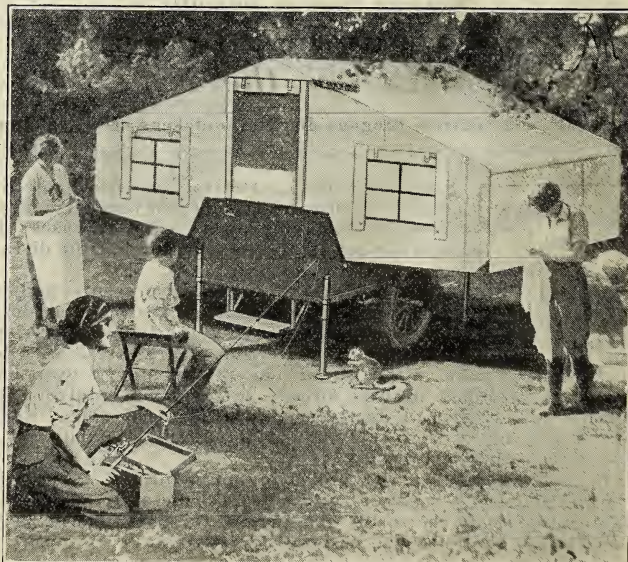
Large copper wire screens, a 28-inch full height door, two bobbinette windows furnish plenty of ventilation and circulation of air all around and underneath outside of trailer makes the coolest possible summer home.

A room 46 inches wide between the beds provides a place for recreation, eating and cooking. Electric lights, linoleum covered floor, complete vermin-proof kitchenette, camp stove and 50-lb. refrigerator furnish home comforts out in the open.

The Gilkie Camp Trailer is a high-quality trailer guaranteed to give complete satisfaction. It is not a one-season investment, for it will last for years, paying back dividends in health and happiness.



Taken at Capital, Denver, Colo., in 1919



The Gilkie in Camp

BUCHANAN'S SPECIAL QUOTATION SHEET

R. B. BUCHANAN SEED CO., Memphis, Tenn.

Dear Sir:—I would like to have you name me your lowest price on the list of seed I give you below. Please quote your best prices, and also let me know whether in your opinion the seed should be sent by Freight or Express, and also about what the cost of delivery will be. It is distinctly understood that in asking for this special quotation I am under no obligation to purchase same, and this is entirely for my own information as to prices and Freight or Express rates.

Please fill out this sheet with the list of Seeds you want prices on, tear it out and mail to me: I will make you right prices on best quality obtainable.	QUANTITY	Number in Catalog	NAME OF SEEDS OR ARTICLE WANTED.	Leave This Space Blank	

PLEASE WRITE PLAINLY IN THE BLANK SPACES BELOW

Your name.....	I am on the.....Railroad
P. O.....	My Express Office is.....
County.....R. F. D.....	The name of the nearest Freight Station is
State.....Date.....	

Please Do Not Write in This Space.

Please Do Not Write in This Space.

ORDER BLANK OF

R. B. BUCHANAN SEED CO.

MEMPHIS

R. B. BUCHANAN SEED CO., MEMPHIS, TENN.

Date _____

1929

I am enclosing \$.....for the following Seed to be

PLEASE DO NOT WRITE
IN THIS SPACE

Date Received

sent by.....
(State here if wanted by Mail, Express or Freight)

Our Order No.

Name.....
(Ladies will please put the prefix MISS or MRS.)

Mark Zone No. Here

P. O. Box.....

Route.

Box.

County

Amount Received

Express or Freight Office.

State

13

R. B. Buchanan Seed Co. give no warranty, either express or implied, as to description, quality, productiveness or any other matter, of seeds, bulbs or plants they send out, and will not be in any way responsible for the crop. Crops are dependent for success or failure on so many things besides seed that it is impossible for us to give any warranty or guarantee. This does not mean that we lack confidence in the seeds we sell, but we have no control over the seeds after they leave our house, especially so as to the methods of planting, cultivating and fertilizing, all of which are important factors in the success of any crop.

Buy our seeds, examine and test them, ask your county agent or neighbor about our reputation; then if you feel that our seeds are not as represented, return them and your money will be promptly refunded.

Have we your permission to substitute equal or better in nearest variety we can supply if out of variety ordered?_____Answer (_____)

If we can give you better service by shipping prepaid express instead of price postpaid, may we do so?_____Answer (_____)

Don't bother about what the express or freight charges will cost on small packets, ounces and pounds of garden seed, for we pay all express and mail charges for garden seed listed in our catalog in these quantities.

R. B. BUCHANAN SEED CO.

[illegible]

If you get more than one Catalogue please hand it to some friend. All members of one family should order goods under the name of the head of the family. Remember, in sending orders to always sign the name of the head of the family in the same way that he would in signing a check at the bank. Do not sign your name one time as John Jones and the next time as J. Jones or Mrs. J. Jones. The letter "J" might stand for James or Joseph. Often your Postmaster is confused in delivering mail to the right party on this account, and we, of course, want you to receive your orders and mail without any unnecessary delay.

BUCHANAN'S SIX COLOR GLADIOLA COLLECTION

**GREATEST
BULB BARGAIN
EVER OFFERED
18 BEST BULBS
\$1.00 POSTPAID**

3	BARON HULOT	NO. 1
3	HALLEY	NO. 2
3	SCHWABEN	NO. 3
3	CHICAGO	NO. 4
3	MRS. FRANCIS KING	NO. 5
3	AMERICA	NO. 6

**18 GLADIOLA BULBS
\$1.00 POSTPAID**



**R. B. BUCHANAN SEED CO.
MEMPHIS, TENN.**

BUCHANAN'S BIG 5 COLLECTION OLD FASHIONED FLOWERS

1929



ONE
10c. Packet each
OF THE 5 ABOVE VARIETIES 35¢ Postpaid

R.B. BUCHANAN SEED CO.

BUCK BRAND TESTED SEEDS

18 S. FRONT ST.

MEMPHIS, TENN.